CANYON CREEK GAS STATION, CONVENIENCE STORE & CARWASH

SILVER CREEK VALLEY ROAD
SAN JOSE, CALIFORNIA 95138
FILE NO: PD14-030

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DRAWING INDEX

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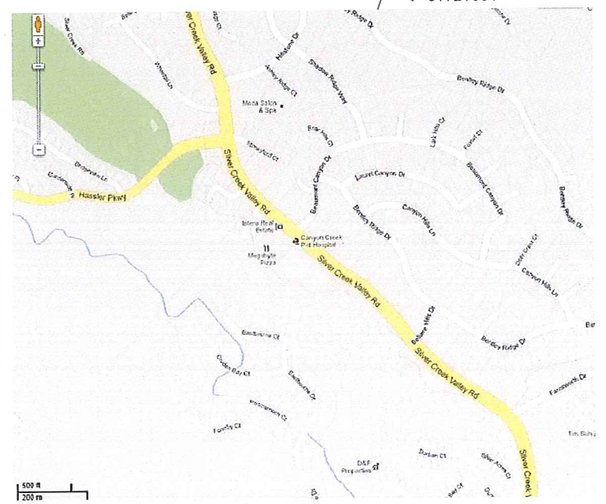
CITY OF SAN JOSE
DEVELOPMENT SERVICES

PRIOR DEVELOPMENT PERMITS

• PDC 03-001	PD REZONING
• PD 03-002	PD PERMIT
• PDC 99-05-039	PD ZONING
• PD 99-08-049	PD PERMIT

LOCATION MAP

SCALE: 1" = 500'



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MR. ED ABELITE

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CONVENIENCE STORE & CARWASH
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SAN JOSE, CA 95138
(PD14-030)

-	ISSUED FOR CONSTRUCTION
-	ISSUED FOR PLAN CHECK
-	ISSUED FOR PLANNING

NO.	DATE	DESCRIPTION
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TITLE SHEET

PROJECT #: 12-8301
DRAWN: JM CHECKED: MII
SCALE: AS NOTED DATE: 04-24-13
(PD14-030)

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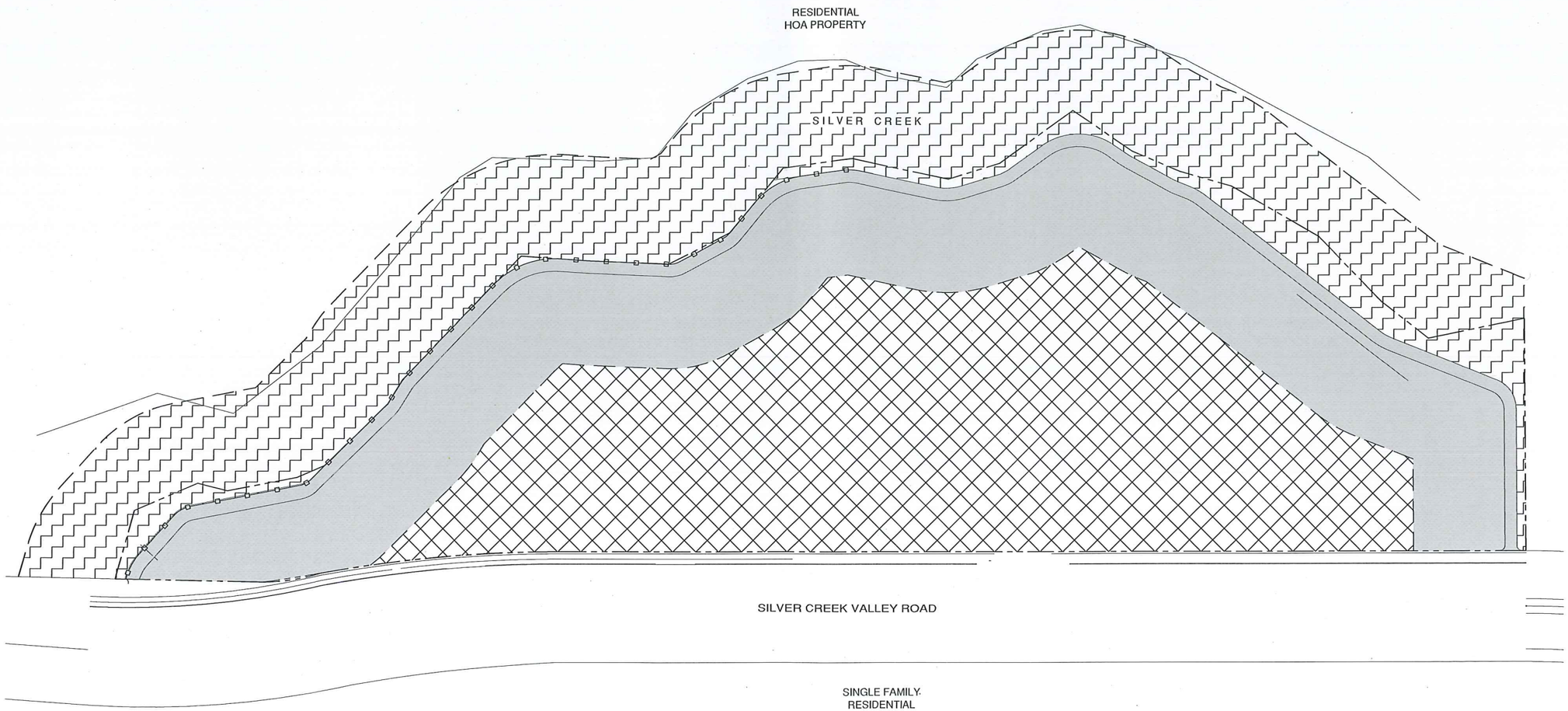

DRAFT

1 LAND USE PLAN
SCALE: 1"= 50'-0"

NORTH

LAND USE PLAN LEGEND

- RIPARIAN CORRIDOR
- RIPARIAN SETBACK
- COMMERCIAL GENERAL (CG) USES AS AMENDED
  8.3 ACRES

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LAND USE PLAN

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SCALE: AS NOTED DATE: 04-24-13
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2

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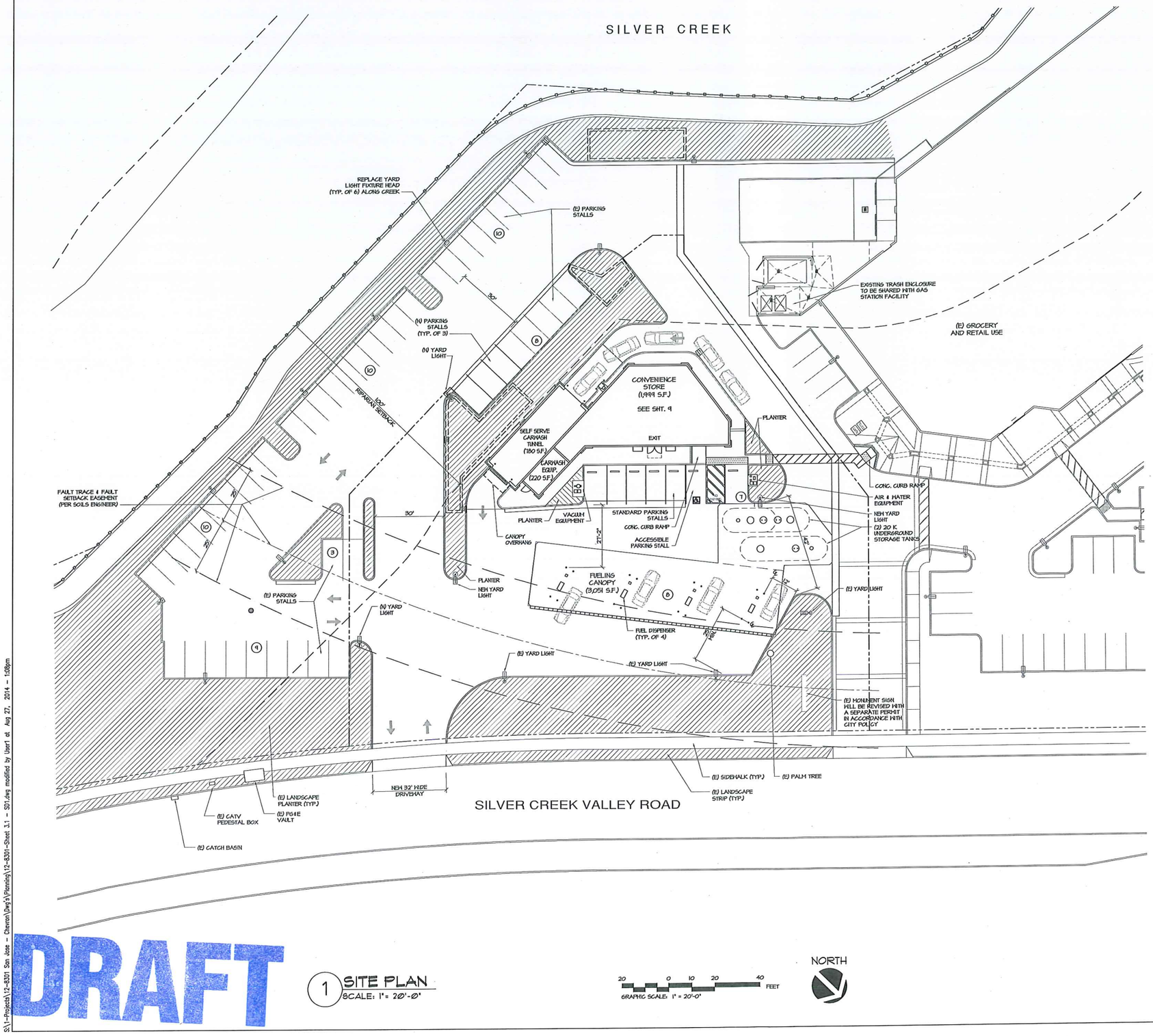


DRAFT

1 SITE PLAN
SCALE: 1" = 20'-0"

GRAPHIC SCALE: 1" = 20'-0"
20 0 10 20 40 FEET

NORTH

SITE INFO (PARCEL 679-29-006 ONLY)

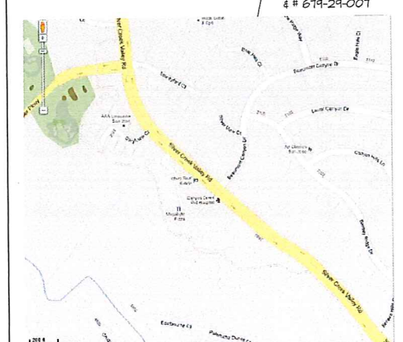
COMMERCIAL DEVELOPMENT	
A. TOTAL ACRES OF SUBJECT PROPERTY GROSS	3.83 +/- AC
PROJECT NET	0.85 +/- AC
B. TOTAL AMOUNT OF SURFACE AREA FOR:	
GAS STATION	37,026 +/- SF
PERCENTAGE OF GAS STATION FOOTPRINT AREA	100 %
C. TOTAL FOOTPRINT AREA OF:	
BUILDINGS	6,099 +/- SF
PERCENTAGE OF GAS STATION FOOTPRINT AREA	16 %
F. TOTAL AMOUNT OF SURFACE AREA FOR:	
PAVEMENT	21,780 +/- SF
PERCENTAGE OF PAVEMENT AREA	54 %
G. TOTAL LANDSCAPE AREA	9,148 +/- SF
PERCENTAGE OF LANDSCAPE AREA	23%
H. PARKING REQUIRED	
CONVENIENCE STORE: (1 STALL / 250 SF) x 0.85	
(1,999 SF x 0.85) / 250 SF =	7 +/- STALLS
GAS STATION:	
1 STALL / EMPLOYEE (1 EMPLOYEE)	1 STALL
1 STALL / AIR & WATER	1 STALL
1 STALL / INFORMATION STOP (OVERLAP WITH FOOD MART)	1 STALL
CAR WASH: VEHICLE STACKING FOR 5 CARS	
TOTAL:	10 STALLS
I. PARKING PROVIDED	65 STALLS
FULL SIZE	57 STALL
FUELING POSITION	8 STALLS

SITE PLAN LEGEND

- LANDSCAPING, SEE LANDSCAPE DRAWINGS
- BIO-SWALE AREA, SEE CIVIL DRAWINGS
- NEW CONCRETE PAVING
- 4 FT. WIDE (MIN.) ACCESSIBLE ROUTE OF TRAVEL, SHALL NOT EXCEED 5% SLOPE IN THE DIRECTION OF TRAVEL AND 2% CROSS SLOPE
- (#) INDICATES NUMBER OF PARKING SPACES

VICINITY MAP

PROJECT SITE
APN # 679-29-006
& # 679-29-007



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SITE PLAN

PROJECT #: 12-8301
DRAWN: BB CHECKED: MI
SCALE: AS NOTED DATE: 04-24-13
(PD14-030)

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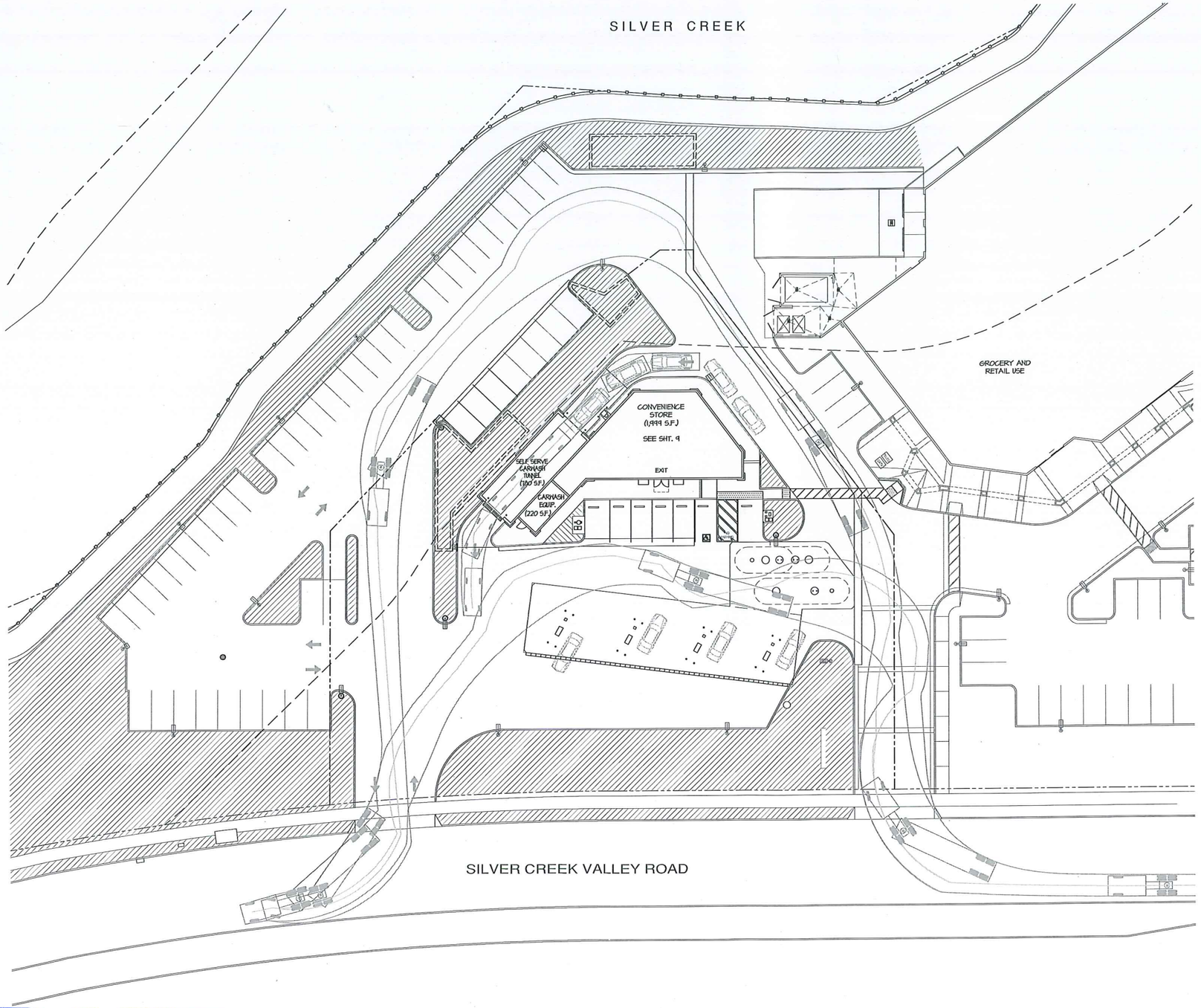

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1 TANKER PATH
SCALE: 1" = 20'-0"

20 0 10 20 40 FEET
GRAPHIC SCALE: 1" = 20'-0"

NORTH

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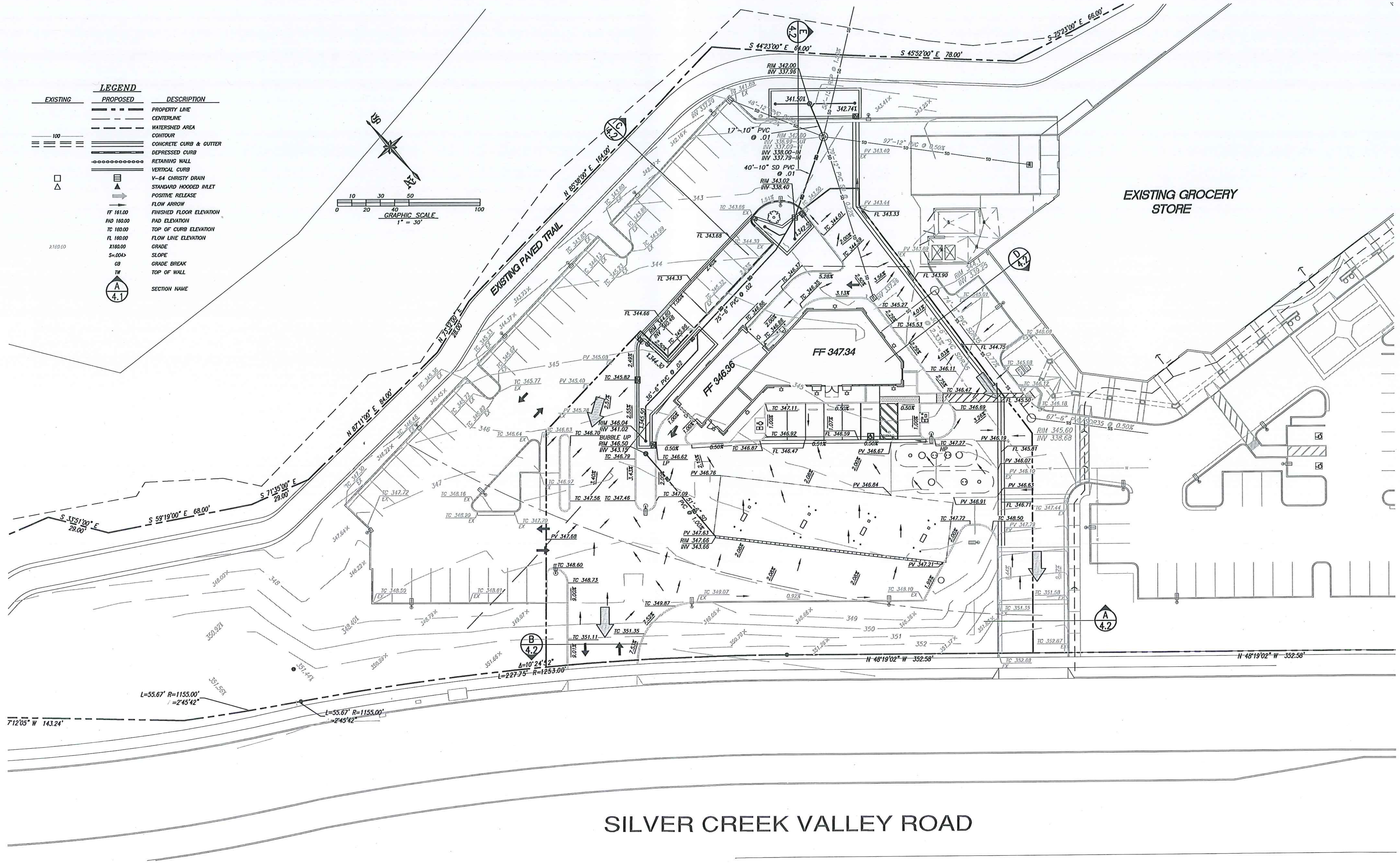
TANKER PATH PLAN

PROJECT #: 12-8301
DRAWN: BB CHECKED: MII
SCALE: AS NOTED DATE: 04-24-13
(PD14-030)

3.2

SHEET OF


LEGEND
EXISTING
PROPOSED
DESCRIPTION
PROPERTY LINE
CENTERLINE
WATERSHED AREA
100
CONTOUR
CONCRETE CURB & GUTTER
DEPRESSED CURB
RETAINING WALL
VERTICAL CURB
V-64 CHRISTY DRAIN
STANDARD HOODED INLET
POSITIVE RELEASE
FLOW ARROW
FF 161.00
FINISHED FLOOR ELEVATION
PAD 160.00
PAD ELEVATION
TC 160.00
TOP OF CURB ELEVATION
FL 160.00
FLOW LINE ELEVATION
X160.00
GRADE
S=.004>
SLOPE
GB
GRADE BREAK
TW
TOP OF WALL
A
4.1
SECTION NAME
10 30 50
0 20 40 100
GRAPHIC SCALE
1" = 30'
EXISTING PAVED TRAIL
EXISTING GROCERY STORE
FF 347.34
FF 346.36
S 44°23'00" E 64.00'
S 45°52'00" E 78.00'
S 75°23'00" E 66.00'
N 85°38'00" E 164.00'
N 73°32'00" E 28.00'
N 87°11'00" E 84.00'
S 71°35'00" E 29.00'
S 59°19'00" E 68.00'
S 33°51'00" E 29.00'
N 48°19'02" W 352.58'
Δ=10°24'52" L=227.75' R=1253.00'
L=55.67' R=1155.00' =2°45'42"
7°12'05" W 143.24'
SILVER CREEK VALLEY ROAD

CANYON CREEK PLAZA

3750 B CHARTER PARK DRIVE
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GRADING AND DRAINAGE PLAN
CANYON CREEK PLAZA
SILVER CREEK VALLEY ROAD
SAN JOSE, CALIFORNIA 95138

PD 14-030

Charles W. Davidson Co.
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255 W. JULIAN ST. #200 SAN JOSE, CA 95110-2406
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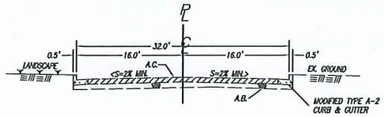
Revisions:

Date: 9-2-14 Job No.: 1706
Scale: 1" = 20' Drawn By: L.S.
Sheet No: 4.1
of Sheets



SECTION A EX 32' DRIVE

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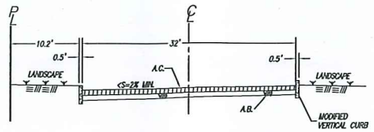
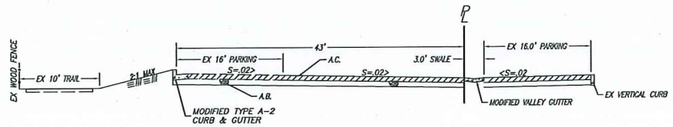


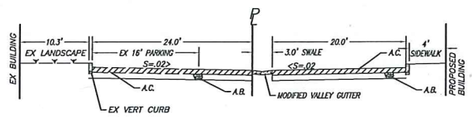
SECTION B 32' DRIVE

N.T.S.



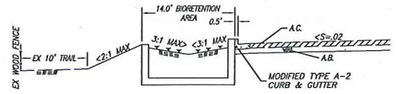
SECTION C – PL SECTION

N.T.S.



SECTION D – PL SECTION

N.T.S.



SECTION E – BIORETENTION SECTION

N.T.S.

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CANYON CREEK PLAZA
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GRADING AND DRAINAGE PLAN
CANYON CREEK PLAZA
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Date: 9-2-14 Job No.: 1706
Scale: 1" = 20' Drawn By: L.S.

Sheet No: 4.2
of Sheets

PROJECT INFORMATION:

Soil Types: Alluvial deposits consisting of clay, sands and gravel.

Ground Water Depth: 15–20 feet below the ground surface.

Name of receiving water body: Upper Silver Creek

100 Year Flood Elevation: A

POLLUTANTS AND POLLUTANT SOURCE AREAS:

SEDIMENT: roads, parking lots and roofs
The main component of total suspended solids (TSS), and is detrimental to aquatic life. They also transport pollutants such as trace metal, nutrients, and hydrocarbons that attach to each particle.

ORGANIC COMPOUNDS: automotive fluids, pesticides and fertilizers
Organic compounds often attach to soil particles

NUTRIENTS: organic litter, fertilizers, food waste, sewage and sediment.
Nutrients include nitrogen, phosphorus and other organic compounds. Excess nutrients impact creek health and impair use of water in water supply sources by promoting excessive growth of algae or vegetation.

METALS: motor vehicles, roofing and construction materials and chemicals.
Trace metals such as copper, lead, cadmium, chromium, nickel and zinc can be toxic to aquatic organisms and, in accumulated quantities, can contaminate drinking water supplies.

BACTERIA & VIRUSES: animal excrement (areas where pets are often walked), sanitary overflow, and trash handling areas (dumpsters).
Bacteria & viruses may pose public health and safety concerns if they are present in drinking water sources.

OIL & GREASE: motor vehicles, food service establishments and fueling stations.
Oil & grease act as carriers for heavy metals and contain hydrocarbon comp8ounds, which even at low concentrations may be toxic to aquatic organisms.

Vehicle or equipment fueling area must be covered and surrounding portions of the site graded to prevent runoff from contacting vehicle–related pollutants and trash enclosures designed to meet the City's Trash Enclosure Guidelines. All existing trash enclosures on site are designed to meet the City's Trash Enclosure Guidelines. Location of fueling areas will be covered and graded to prevent runoff.

STORMWATER TREATMENT SUMMARY

The infill site will be designed to Minimize the Directly Connected Impervious Area (DCIA). The downspouts will not be directly connected to the storm sewer system and will be directed into the landscape areas. As per the 50% rule the "intervening pervious areas receiving runoff (p) must be at least one half the size of impervious surface areas generating runoff (i). $p >$ or $= \frac{1}{2}i$."

The project site is exempt from Hydromodification Management (HM) because it replaces and/or creates <1 Acre of impervious area.

Standard LID is infeasible for this site due to the amount of landscape vs. impervious area & the soil type per city requirements.

The soils have a saturation hydraulic conductivity (Ksat) that will NOT allow infiltration of 80% of the annual runoff, therefore Infiltration is infeasible.

The Potential Rainwater Capture Area was calculated.
It was determined that the landscape area is LESS than 2.5 times the size of the Potential Rainwater Capture Area.
It was determined that number of dwelling units per impervious acre was LESS than 120.
Therefore Rainwater Harvesting is infeasible.

Therefore, the site will use Bio–Retention to treat impervious areas. A range of treatment measures may be utilized for this infill site, including but not limited to bio–retention, and self treating areas. This will maximize the opportunity for the runoff to be cleaned before it enters the collection system.
These measures will be maintained by the home owners and/or HOA.

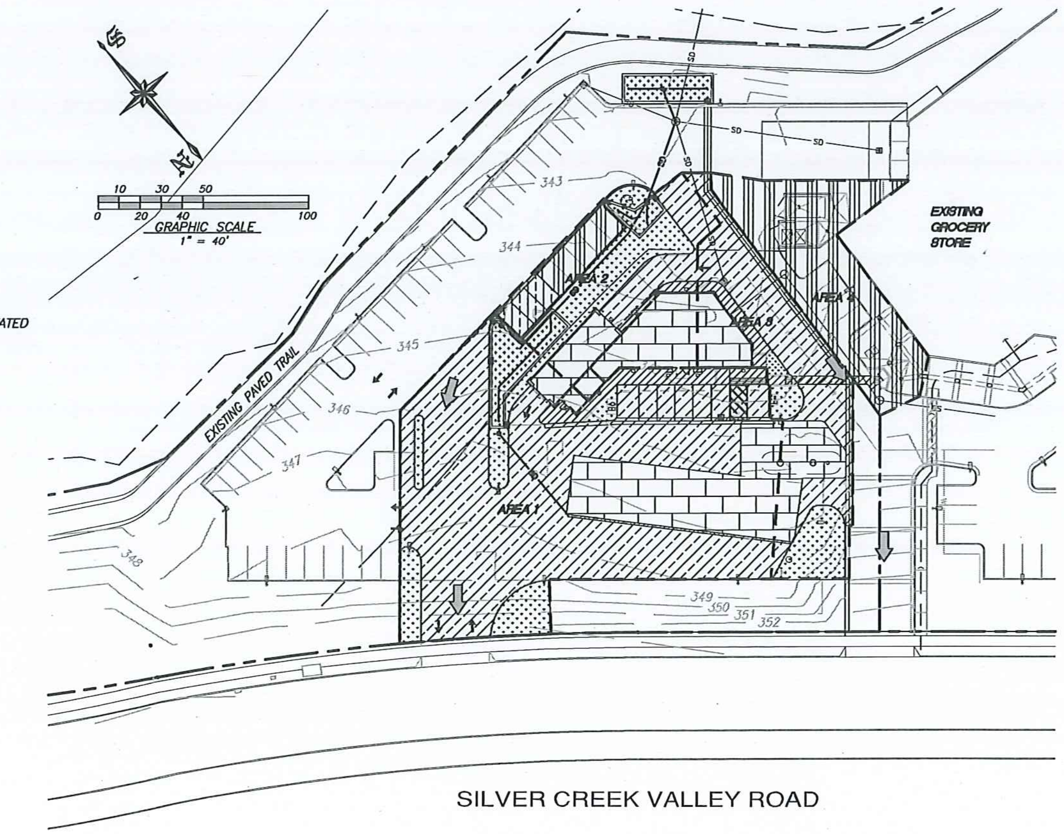
No. of Units			
Pervious and Impervious Surfaces Comparison			
Project Phase Number: (N/A, 1, 2, etc.)	N/A		
	(+/-acres):	(+/-sq.ft.):	
Total Site (+/-acres):	0.85	36,981	
Total Area of Site Disturbed (+/-acres):	0.76	33,070	
	Existing Condition of Site Area Disturbed	Proposed Condition of Site Area Disturbed (+/- sq.ft.)	
Impervious Surfaces	(+/- sq.ft.)	Replaced (1)	New (2)
Roof Area(s)	0	0	7,343
Parking/Private Drive (paved)	25,809	18,284	0
Sidewalks, Patios, Paths, etc	0	0	1,312
Streets (Public)	0		0
Streets (Private)	0	0	0
Total Impervious Surfaces:	**25,809**	**18,284**	**8,655**
Pervious Surfaces			
Landscape Areas	11,172	6,131	0
Pervious Pavers	0	0	0
Other Pervious Surfaces (green roof, etc.)	0	0	0
Total Pervious Surfaces:	**11,172**	**6,131**	**0**
Total Proposed Impervious Surfaces = Total Proposed Replaced + New Impervious Surfaces:			26,939
Total Proposed Pervious Surfaces = Total Proposed Replaced + New Pervious Surfaces:			6,131
Total Disturbed Area:			33,070

Regulated Project: Any project that creates new and/or replaces (individually or collectively) 10,000 square feet or more of impervious surface area.
Additional data verifying the percent replacement of impervious surface area may be requested for any Regulated Project that appears to be subject to Provisions C.3.b.ii.(1)(c) or C.3.b.ii.(1)(d) (commonly known as "the 50% Rule").

Footnotes:
1 Proposed Replaced Impervious Surface: **All impervious surfaces added to any area of the site that was a previously existing impervious surface.**
2 Proposed New Impervious Surface: **All impervious surfaces added to any area of the site that was a previously existing pervious surface.**

STORMWATER LEGEND

- LANDSCAPE
- HARDSCAPE
- ROOF TOP
- PARKING/DRIVEWAY
- BIORETENTION
- EXISTING AREA TO BE TREATED



Stormwater Treatment AreasTable

AREA ID	Description	Total Area (SF)	Areas: Pervious Area (P): Perm. Paver Area (SF)	Pervious Area (P): Landscape Area (SF)	Impervious Area (I): Rooftop Area (SF)	Impervious Area (I): Parking/Pvt. Drive Area (SF)	Impervious Area (I): Hardscape Area (SF)	(P) Pervious (SF)	(I) Impervious (SF)	TCM ID	Type of mitigation that will be used
1	Pavement, Parking, Store, Car Wash, Planters	19,654	0	2,301	3,599	13,135	819	2,301	17,553	1	Bioretention
2	Pavement, Parking, Store, Car Wash, Planters	5,890	0	1,987	1,987	1,785	131	1,987	3,903	2	Bioretention
3	Pavement, Parking, Store, Car Wash, Planters	7,326	0	1,843	1,757	3,364	362	1,843	5,483	3	Bioretention
4	Existing Parking, Pavement & Sidewalk	5,072	0	0	0	2,052	3,020	0	5,072	3	Bioretention
	Totals	33,070	0	6,131	7,343	18,284	1,312	6,131	26,939		

* Bay Area Stormwater Management Agencies Association (BASMAA); *Start at the Source, Design Guidance Manual For Stormwater Quality Protection (1999 Ed.), pg. 34.*

RUNOFF CALCULATIONS FOR STORM WATER TREATMENT - Bioretention

ID	Description	Total Area (SF)	Landscape Area (SF)	Treatment Area Hardscape/Roof (SF)	Treatment Area Required (SF)	Treatment Area Provided (SF)
1	Lot	19,854	2,301	17,553	702	718
2	Lot	5,890	1,987	3,903	156	189
3	Lot	12,398	1,843	10,555	422	492

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		PROPERTY LINE
		CENTERLINE
100		CONTOUR
		CONCRETE CURB & GUTTER
		DEPRESSED CURB
		RETAINING WALL
		VERTICAL CURB
		V–64 CHRISTY DRAIN
		STANDARD HOODED INLET
		POSITIVE RELEASE
	FF 161.00	FINISHED FLOOR ELEVATION
	PAD 160.00	PAD ELEVATION
	TC 160.00	TOP OF CURB ELEVATION
	FL 160.00	FLOW LINE ELEVATION
X160.00	X160.00	GRADE
	S=.004>	SLOPE
	GB	GRADE BREAK
	TW	TOP OF WALL
	LA	LANDSCAPE AREA
	RA	ROOF AREA
	SA	STREET AREA
	PA	PAVER AREA
		CONCRETE PAVERS
	A / 4.1	SECTION NAME
		TREE

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STORM WATER MANAGEMENT PLAN
CANYON CREEK PLAZA
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Revisions:

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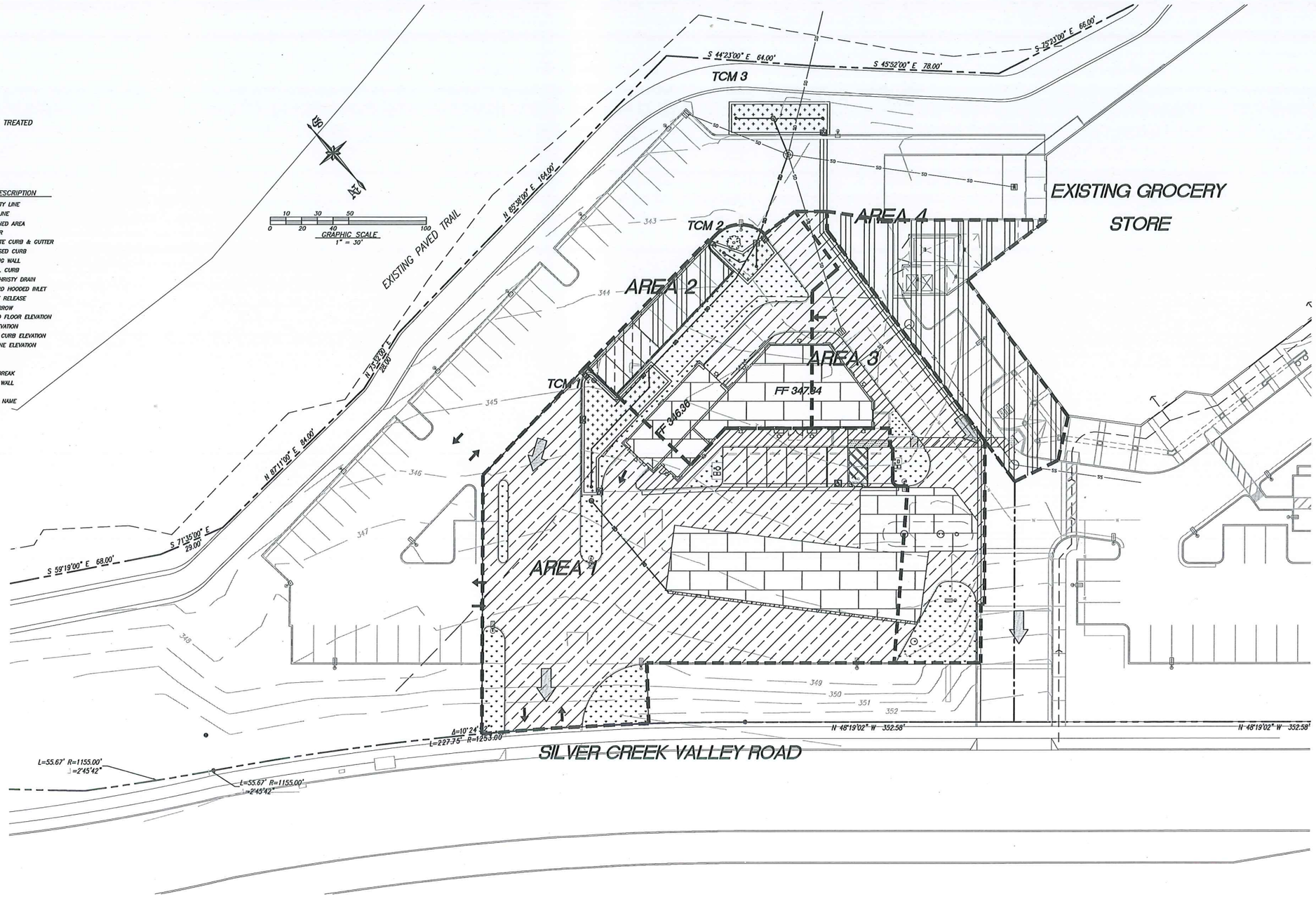
Sheet No: 4.3
of Sheets

STORMWATER LEGEND

- LANDSCAPE
- HARDSCAPE
- ROOF TOP
- PARKING/DRIVEWAY
- BIORETENTION
- EXISTING AREA TO BE TREATED

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		PROPERTY LINE
		CENTERLINE
		WATERSHED AREA
100		CONTOUR
		CONCRETE CURB & GUTTER
		DEPRESSED CURB
		RETAINING WALL
		VERTICAL CURB
□		V-64 CHRISTY DRAIN
△	▲	STANDARD HOODED INLET
		POSITIVE RELEASE
		FLOW ARROW
	FF 161.00	FINISHED FLOOR ELEVATION
	PAD 160.00	PAD ELEVATION
	TC 160.00	TOP OF CURB ELEVATION
	FL 160.00	FLOW LINE ELEVATION
X160.00	X160.00	GRADE
	S=.004>	SLOPE
	GB	GRADE BREAK
	TW	TOP OF WALL
	A 4.1	SECTION NAME



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CANYON CREEK PLAZA
3750 B CHARTER PARK DRIVE
SAN JOSE, CA 95136
Telephone: (408) 221-6259
Fax: (408) 705-2028

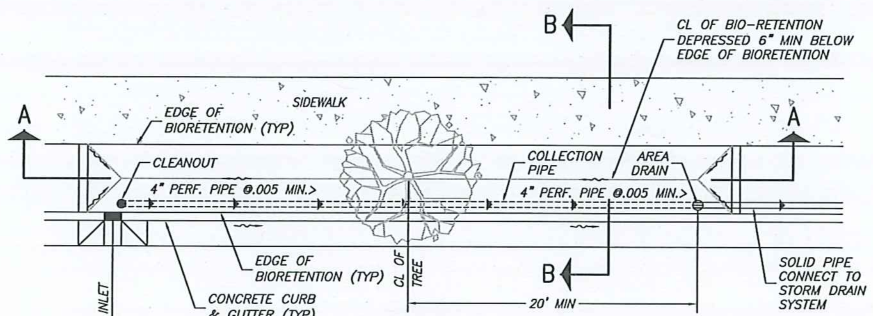
STORM WATER MANAGEMENT PLAN
CANYON CREEK PLAZA
SILVER CREEK VALLEY ROAD
SAN JOSE, CALIFORNIA 95138

PD 14-030

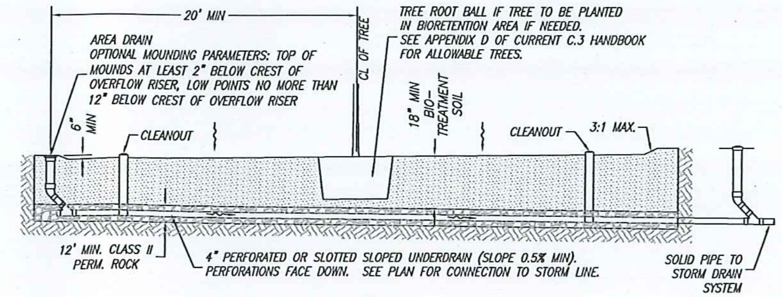
Charles W. Davidson Co.
A CALIFORNIA CORPORATION
CONSULTING CIVIL ENGINEERS
255 W. JULIAN ST. #200 SAN JOSE, CA 95110-2406
TEL (408) 295-9162 FAX (408) 993-1511

Revisions:

Date: 9-2-14 Job No.: 1706
Scale: 1" = 30' Drawn By: L.S.
Sheet No: 4.4
of Sheets



PLAN VIEW
N.T.S.



SECTION A-A
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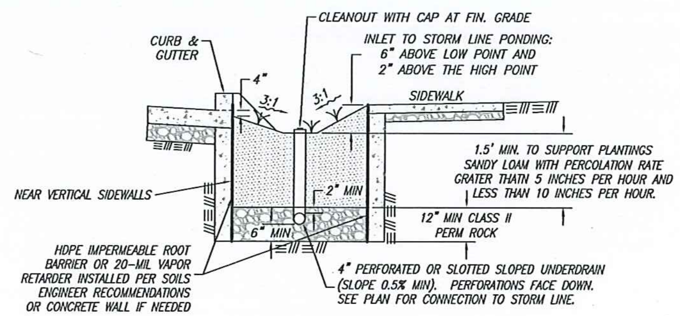
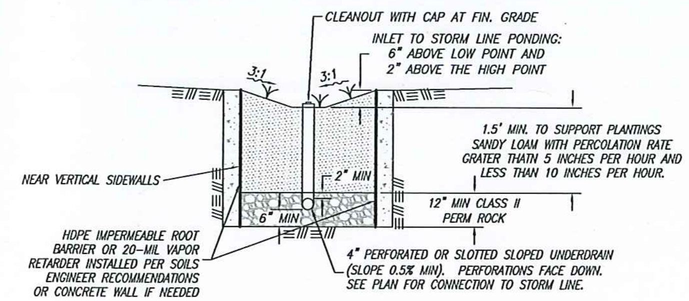
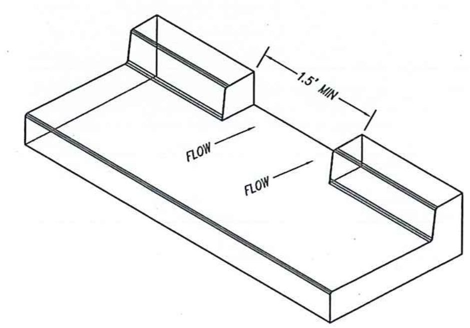


SECTION B-B
ADJACENT TO CURB
N.T.S.



SECTION B-B
NOT ADJACENT TO CURB
N.T.S.

BIO-RETENTION LAYOUT DETAILS



CURB OPENING
N.T.S.

Bioretention Area Maintenance Plan

1. Objectives
The principal maintenance objective is to prevent sediment buildup and clogging, which reduces pollutant removal efficiency and may lead to bioretention area failure.

2. Routine Maintenance Activities
Routine maintenance activities, and the frequency at which they will be conducted:
2.1 Remove obstructions, debris and trash from bioretention area and dispose of properly. Monthly, or as needed after storm events.
2.2 Inspect bioretention area to ensure that it drains between storms and within five days after rainfall. Monthly, or as needed after storm events
2.3 Inspect inlets for channels, soil exposure or other evidence of erosion. Clear obstructions and remove sediment. Monthly, or as needed after storm events.
2.4 Remove and replace all dead and diseased vegetation. Twice a year.
2.5 Maintain vegetation and the irrigation system. Prune and weed to keep bioretention area neat and orderly in appearance. Before wet season begins, or as needed.
2.6 Check that mulch is at appropriate depth (3 inches per soil specifications) and replenish as necessary before wet season begins. Monthly.
2.7 Inspect bioretention area using the attached inspection checklist. Monthly, or after large storm events, and after removal of accumulated debris or material.

3. Prohibitions
The use of pesticides and quick release fertilizers shall be minimized, and the principles of integrated pest management (IPM) followed:
3.1 Employ non-chemical controls (biological, physical and cultural controls) before using chemicals to treat a pest problem.
3.2 Prune plants properly and at the appropriate time of year.
3.3 Provide adequate irrigation for landscape plants. Do not over water.
3.4 Limit fertilizer use unless soil testing indicates a deficiency. Slow-release or organic fertilizer is preferable. Check with municipality for specific requirements.
3.5 Pest control should avoid harming non-target organisms, or negatively affecting air and water quality and public health. Apply chemical controls only when monitoring indicates that preventative and non-chemical methods are not keeping pests below acceptable levels. When pesticides are required, apply the least toxic and the least persistent pesticide that will provide adequate pest control. Do not apply pesticides on a prescheduled basis.
3.6 Sweep up spilled fertilizer and pesticides. Do not wash away or bury such spills.
3.7 Do not over apply pesticide. Spray only where the infestation exists. Follow the manufacturer's instructions for mixing and applying materials.
3.8 Only licensed, trained pesticide applicators shall apply pesticides.
3.9 Apply pesticides at the appropriate time to maximize their effectiveness and minimize the likelihood of discharging pesticides into runoff. With the exception of pre-emergent pesticides, avoid application if rain is expected.
3.10 Unwanted/unused pesticides shall be disposed as hazardous waste.

4. Vector Control
4.1 Objective: To prevent conditions within swales that attract and/or promote the growth of disease vectors, including but not limited to mosquitos, rodents, and flies.

4.2 Maintenance Activities for Vector Control
4.2.1 Inspections: Regular inspections will determine if swales have pools of standing water or debris accumulation. Inspections will be conducted prior to the rainy season, after major storm events, and at least once during the dry season to ascertain that standing water drains from the swale within 5 days.
4.2.2 Holes in ground: Abate potential vectors by filling holes in the ground in and around the swale and by insuring that there are no areas where water stands longer than 5 days following a storm.
4.2.3 Other maintenance activities: If any obstructions develop (e.g. debris accumulation, invasive vegetation, clogging of outlets and/or under drains) within the swale, appropriate maintenance activities shall be implemented to correct the obstruction. Refer to Section 3 for details on specific maintenance activities.

4.3 Mosquito Abatement: The authority in Santa Clara County in charge of mosquito abatement shall be contacted as needed for assistance should any mosquito issues arise. Mosquito larvicides should be applied only when absolutely necessary and then only by a licensed professional or contractor.

5. Correspondence
Correspondence regarding operations, inspections and maintenance of the storm water treatment measures will be provided to the City of San Jose's Environmental Services Division as required and according to the schedule outlined in the Operations and Maintenance Agreement.

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Revisions:

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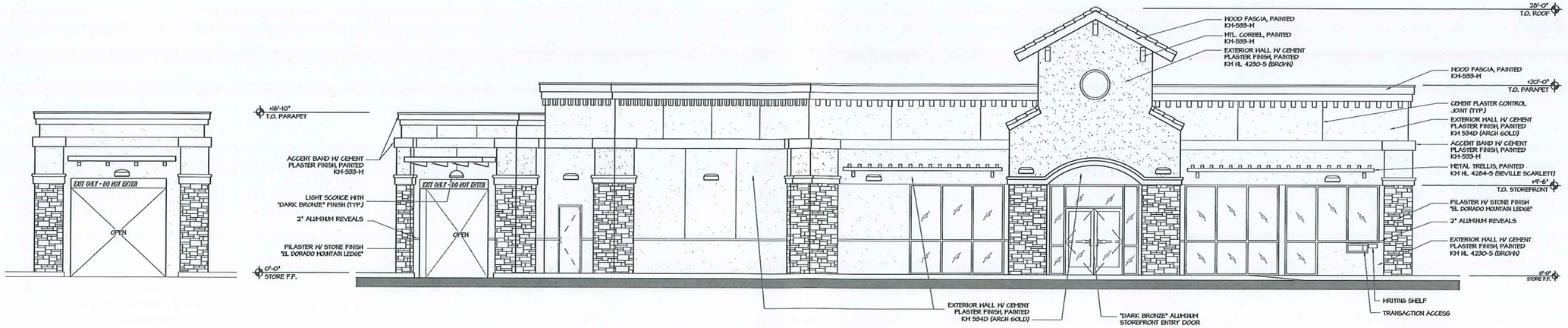
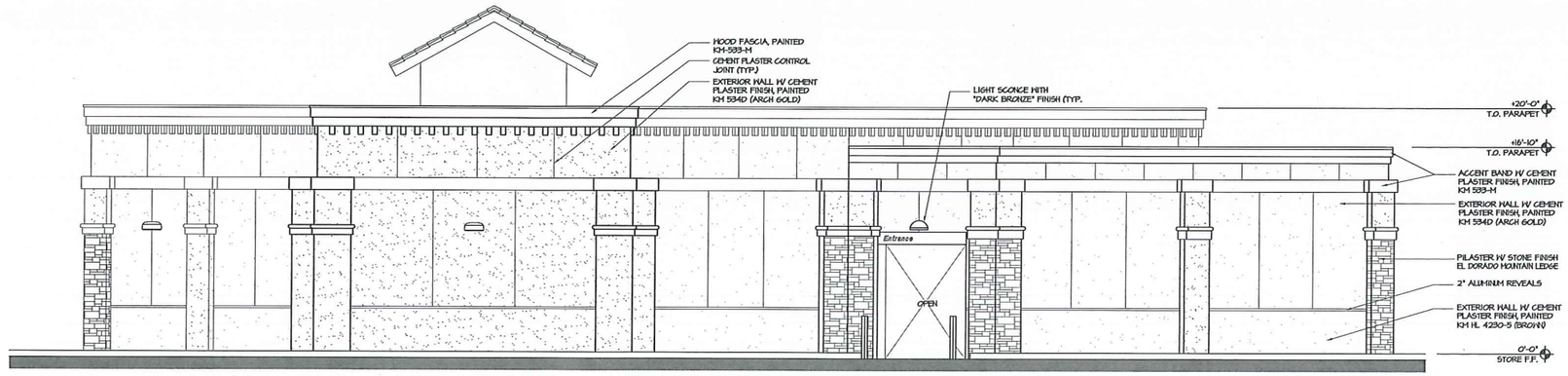
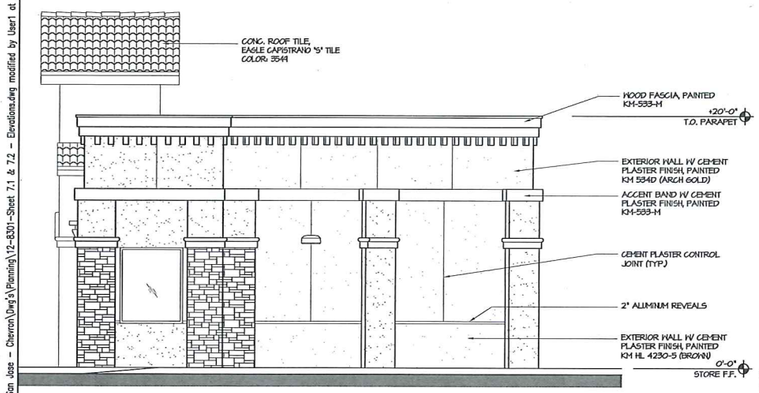
Scale:	1" = 20'	Drawn By:	L.S.
Sheet No:	4.5		
of			Sheets



A NORTHEAST ELEVATION
3/16" = 1'-0"



C SOUTHWEST ELEVATION
3/16" = 1'-0"



B WEST ELEVATION
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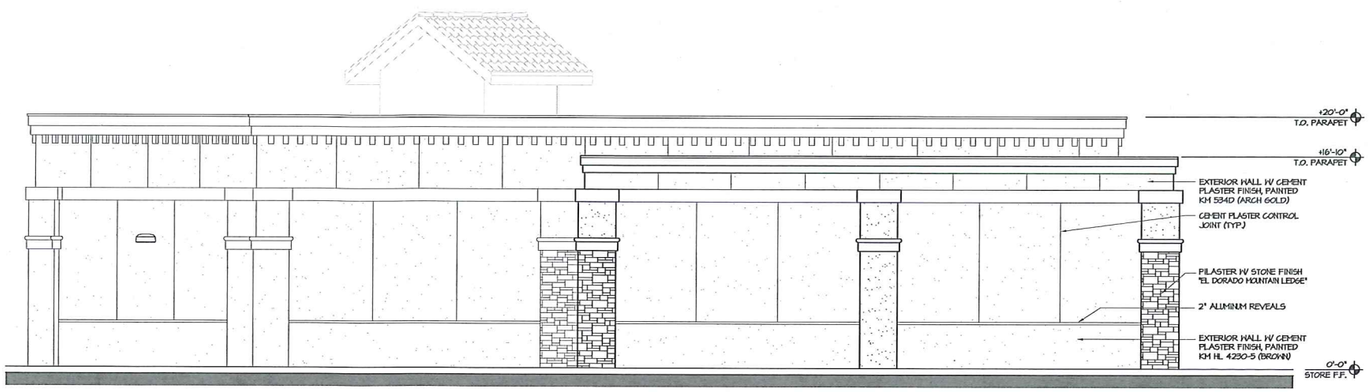

D SOUTH ELEVATION
3/16" = 1'-0"

5 0 5 10 FEET
GRAPHIC SCALE: 3/16" = 1'-0"

DRAFT

S:\1-Projects\12-8301 San Jose - Chevron\Dwg's\Planning\12-8301-Sheet 7.1 & 7.2 - Elevations.dwg modified by User1 at Aug 19, 2014 - 4:02pm

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CANYON CREEK GAS STATION, CONVENIENCE STORE & CARWASH
SILVER CREEK VALLEY ROAD
SAN JOSE, CA 95138

(PD14-030)

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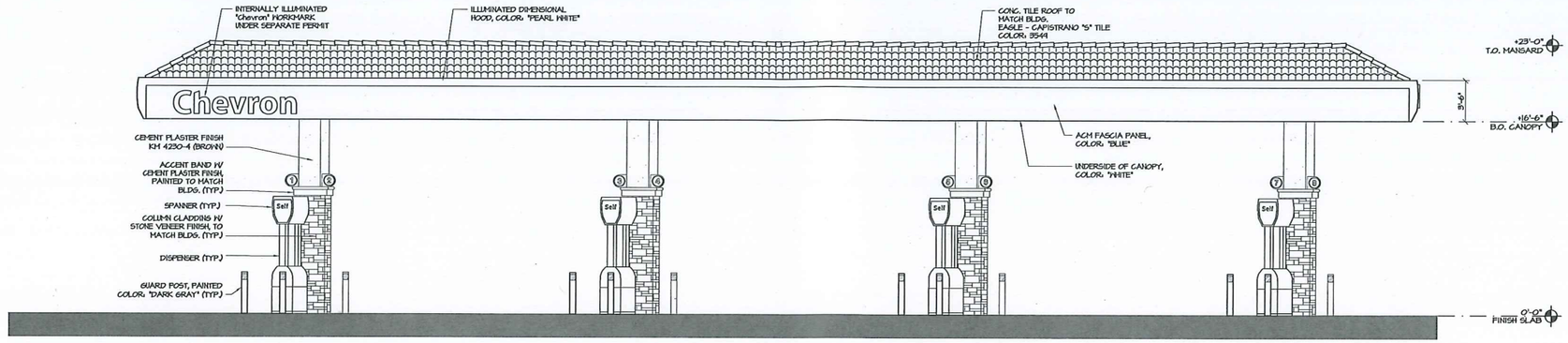
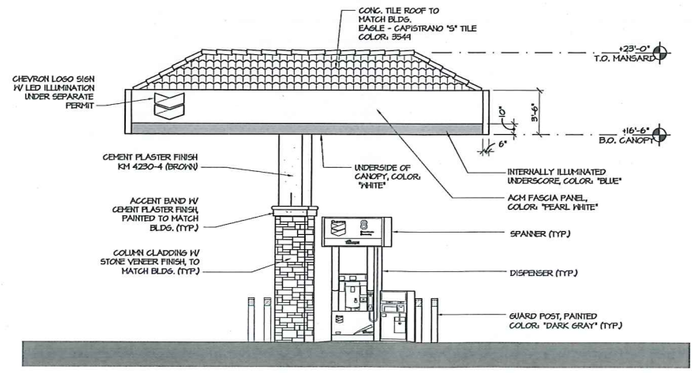
CONVENIENCE STORE
BUILDING ELEVATIONS

PROJECT #: 12-8301
DRAWN: JM CHECKED: MII
SCALE: AS NOTED DATE: 04-24-13
(PD14-030)

7.1
SHEET OF



A NORTHEAST ELEVATION
3/16" = 1'-0"



B NORTHWEST ELEVATION
3/16" = 1'-0"

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5 0 5 10 FEET
GRAPHIC SCALE: 3/16" = 1'-0"

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NO.	DATE	DESCRIPTION
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2		
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5		

CANOPY ELEVATIONS

PROJECT #: 12-8301
DRAWN: JM CHECKED: MII
SCALE: AS NOTED DATE: 04-24-13
(PD14-030)

7.2

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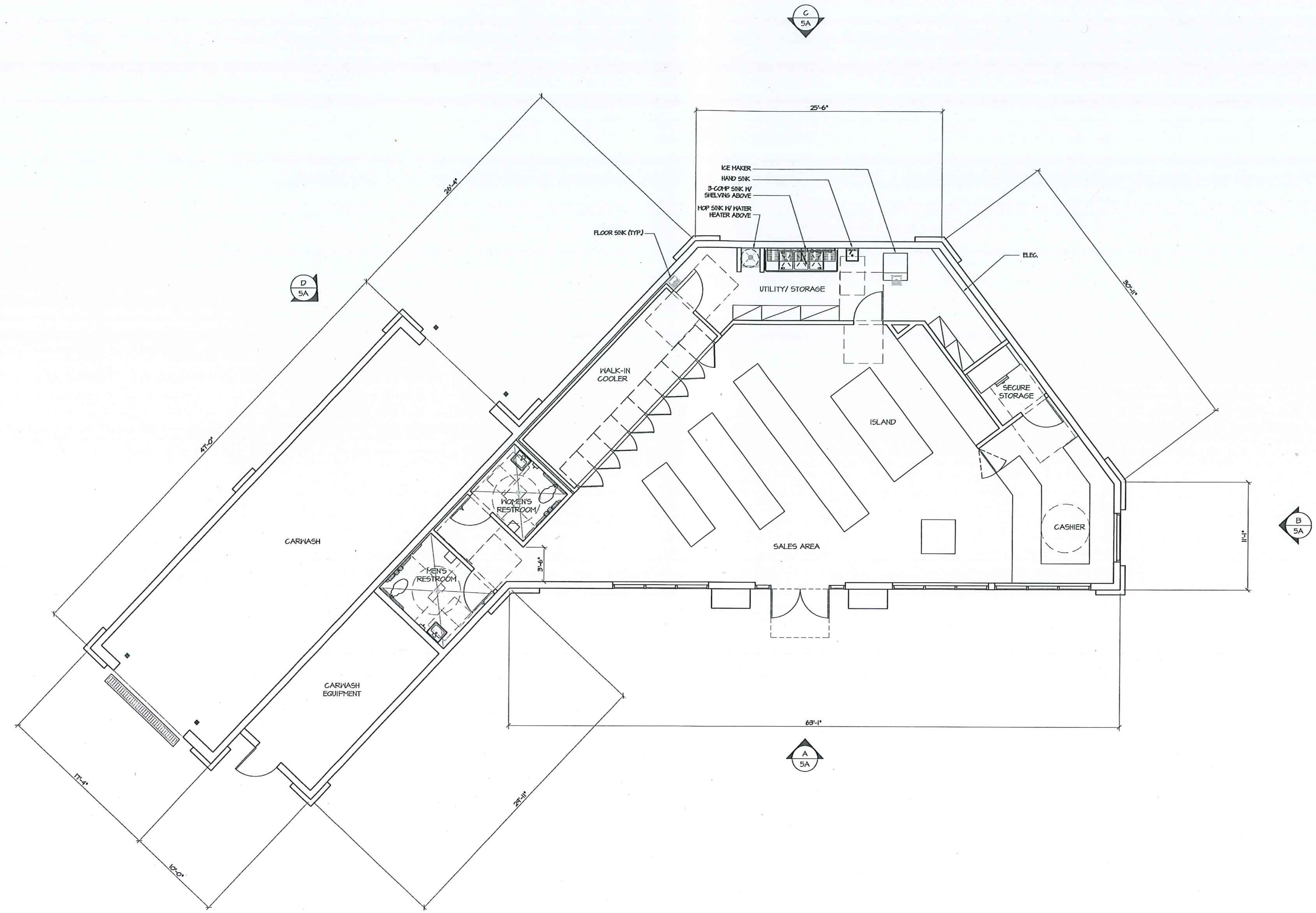

1 FLOOR PLAN
3/16" = 1'-0"

5 0 5 10 FEET
GRAPHIC SCALE: 3/16" = 1'-0"

NORTH

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CONVENIENCE STORE
& CARWASH FLOOR PLAN

PROJECT #: 12-8301
DRAWN: BB CHECKED: MII
SCALE: AS NOTED DATE: 03-31-14
(PD14-030)

9

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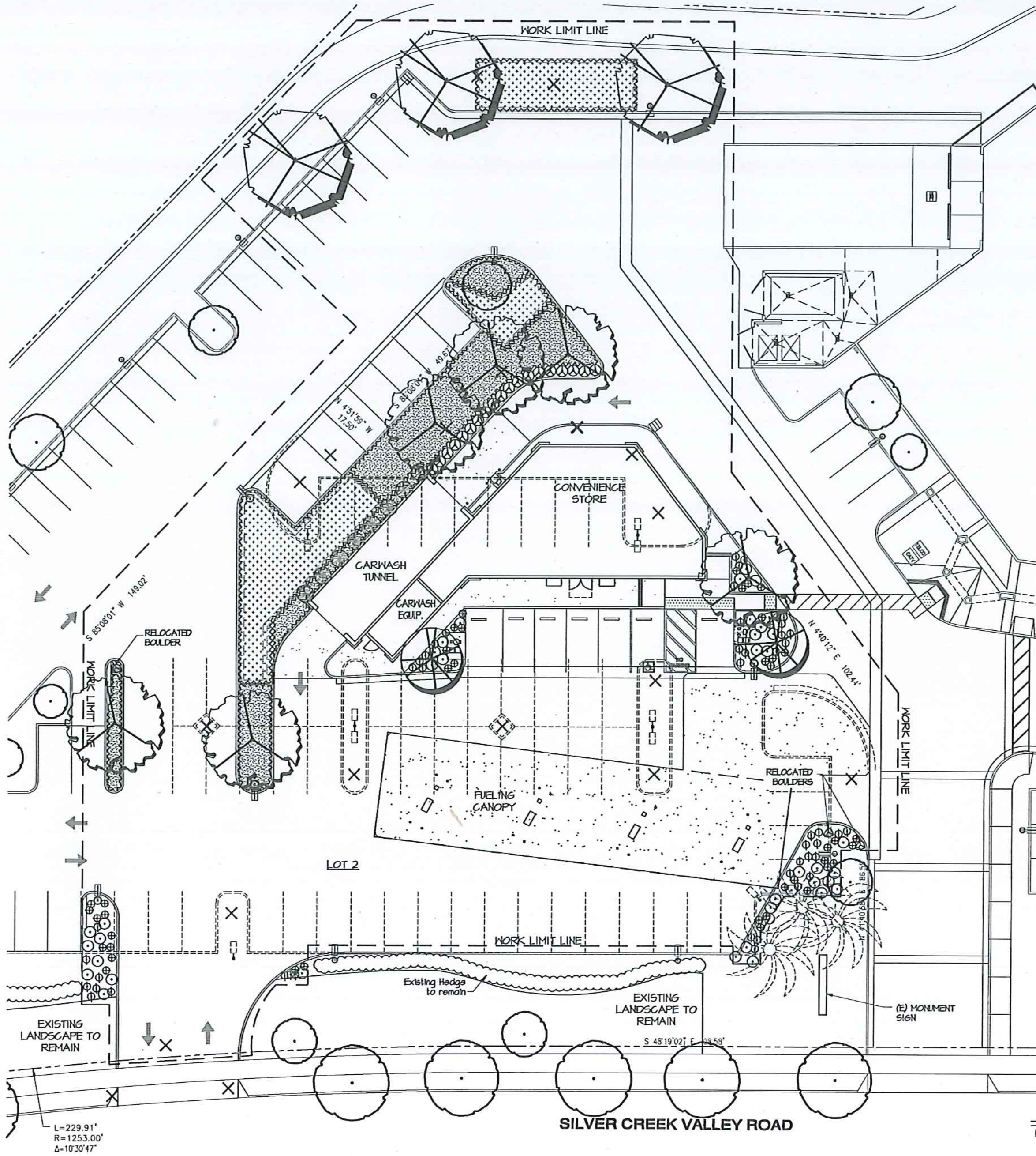
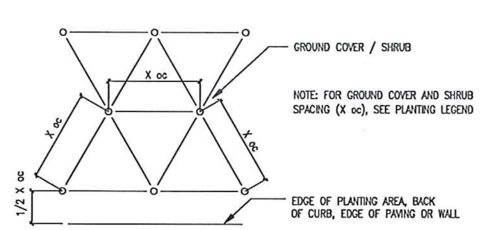
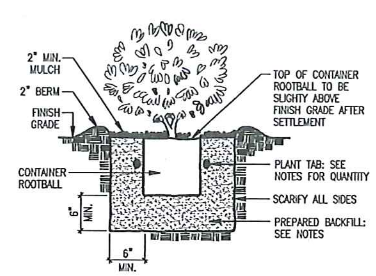


1 LANDSCAPE PLAN
SCALE: 1" = 20'-0"

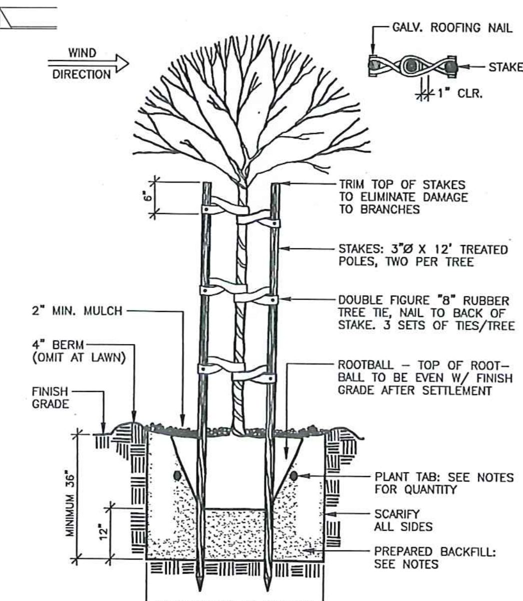
20 0 10 20 40 FEET
GRAPHIC SCALE: 1" = 20'-0"

NORTH





Planting Details
NOT TO SCALE



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PLANTING LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
Tree			
	Podocarpus gracilior Std.	Fern Tree	15 Gallon
	Quercus lobata	Valley Oak	15 Gallon
	Lagerstroemia indica	Crape Myrtle	15 Gallon
	Cupressus sempervirens	Italian Cypress	15 Gallon
Shrubs and Vines			
	Coleonema pulchellum ' Sunset Gld.'	Gold'n Breath of Heaven	5 Gallon
	Phormium 'Amazing Red' -	New Zealand Flax	5 Gallon
	Salvia leucantha -	Mexican Sage	5 Gallon
	Ligustrum texanum	Privet	5 Gallon
	Lonicera japonica	Honeysuckle	1 Gallon
Ground Cover			
TRA	Trachelospermum jasminoides	Star Jasmine	1 Gallon @ 30" oc
FES	Preservation Native (Delta B.G.)	Fescue Blend	Sod

TRA FES

Existing tree to remain
× Existing tree to be removed
Ex Palm to remain

PLANTING NOTES

1. This project removes 19 trees ranging in size from 4" to 11" diameter. The species of trees being removed are Pepper, Crape Myrtle, Hackberry, nonnative oak and sycamore. These trees will be replaced on a 1 t 1 basis per City Ordinance.
2. City parking regulations require a tree for every 4 uncovered parking stalls. The project has 57 uncovered parking stalls and therefore has a minimum tree requirement of 15 trees. This area of the project will end up with 31 qualifying trees t meet the requirement.
3. All trees are to be staked as shown in the staking diagram per city requirement.
4. Plant locations are to be adjusted as necessary to screen utilities but not block windows or impede access.
5. All ground cover and shrub areas shall be top-dressed with a 3" layer of bark mulch.
6. All ground cover planting will be placed no farther than 6" from edge of pavement, edge of header or back of curb. Spacing shall ensure full coverage in one year.
7. There shall be no storing of material or equipment, permitting of any burning or operating or parking of equipment under branches of any existing plants to remain. If existing plants to remain are damaged during construction, the plants shall be replaced with the same species an size as those damaged.
8. All plant material shall be nursery grown stock. All plant materials shall be tagged at the nursery at least 1 month prior to planting for the Landscape Architects review.
9. Review layout of all landscape elements with the Landscape Architect prior to installation. Field modifications may be necessary. Final layout to be reviewed by the Landscape Architect .
10. Written dimensions supersede scaled dimension Measurements are from the wall face, back of curb. edge of walk, building wall, property line or center line as graphically indicated.
11. All layout corners are at 90 degrees right angles unless otherwise indicated. All curves shown are segments of circles with noted radii or diameter if noted. Circles can be scaled and be connected by freeform curves.
12. HERBICIDE APPLICATION: Herbicide shall not be used until all plant material has been planted a minimum of 20-days. All planting areas shall be kept weed-free by non-herbicide methods during this time period. Herbicide shall not be applied to any areas which are or have been seeded. Contractor must be licensed by the State and County for fertilizer application, and must have current registration on file with the County.
13. Landscaping shall be maintained in a manner to prevent landscaping from growing above 3' in height in the areas indicated in the plans as being located within a safety visibility triangle area.
14. CERTIFICATION: Prior to occupancy, the Landscape Architect shall certify in writing in a manner acceptable to the Building Inspection Division, that the landscaping has been installed in accordance with all aspects of the approved landscape plans.

NORTH

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LANDSCAPE PLAN

PROJECT #: 12-8301
DRAWN: rc CHECKED: rc
SCALE: AS NOTED DATE: 6-6-14

PD-14-030
10.1
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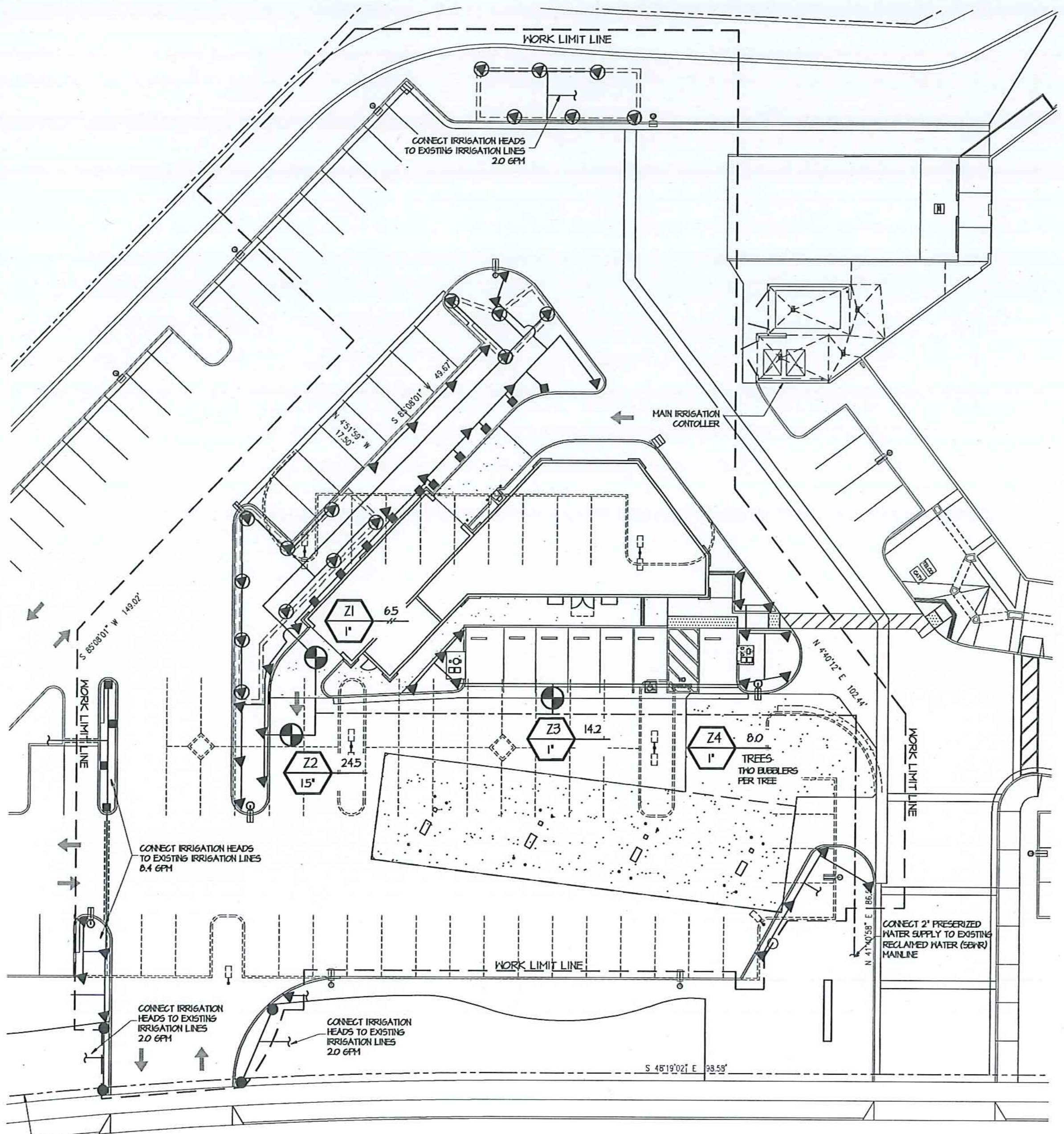
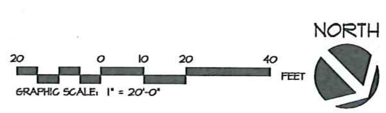


1 IRRIGATION PLAN

SCALE: 1"= 20'-0"



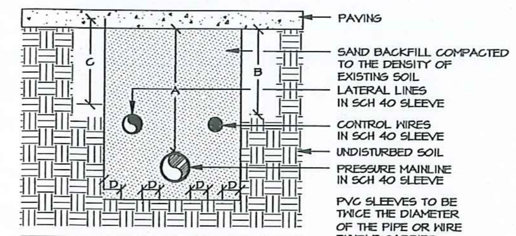
GENERAL SITE INFORMATION for RECYCLED WATER USE FOR METER (SJW028100A)
LANDSCAPED RECYCLED WATER IRRIGATION USE AREA:
PUBLIC ACCESS TO SITE GROUNDS IS UNRESTRICTED.
2. OWNER: INTERO
3. PROPERTY MANAGER CONTACT: Ed Abelite, Intero
4. TENANT (S):
5. ON-SITE WELL LOCATIONS: NONE.
6. WELLS ON ADJACENT SITES LOCATED WITHIN 50 FT. OF RECYCLED WATER APPROVED USE AREA OR WITHIN 100 FT. OF ANY RECYCLED WATER IMPOUNDMENT: NONE.
7. OUTDOOR DRINKING FOUNTAINS IN/NEAR THE RECYCLED WATER APPROVED USE AREA: NON.
8. OUTDOOR EATING AREA(S) IN/NEAR THE RECYCLED WATER APPROVED USE AREA: NONE
9. WATER FEATURES ON SITE: NONE.

IRRIGATION PLANS FOR FUTURE AREAS, WHEN AVAILABLE, MUST BE SUBMITTED TO SOUTH BAY WATER RECYCLING FOR APPROVAL. FOR MORE INFO., CONTACT (408) 277-3671.

California Department of Public Health
Date

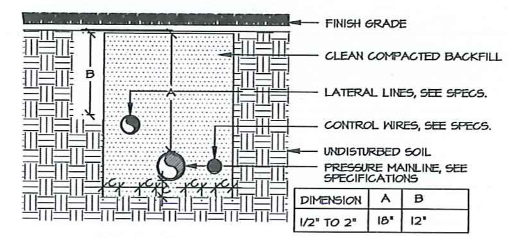
South Bay Water Recycling
Date

DRAFT



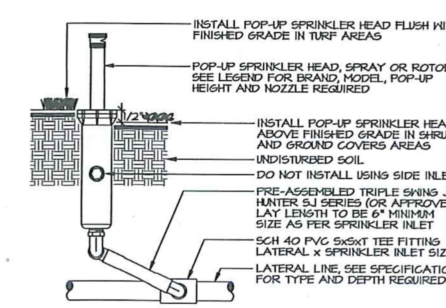
DIMENSION	A	B	C	D
1 1/2" TO 6" IN SIZE	36"	24"	24"	4"

Pipe Sleeve Instalation Detail
NOT TO SCALE



DIMENSION	A	B
1/2" TO 2"	18"	12"

Pipe Instalation Detail
NOT TO SCALE



NOTE:
INSTALL SPRINKLER HEADS 6" FROM PAVING EDGE IN SHRUB AND GROUND COVER AREAS.
INSTALL SPRINKLER HEADS 12" FROM THE FACE OF BUILDING WALLS OR WINDOWS.
INSTALL SPRINKLER HEADS PLUMB. ADJUST SPRAYS OR NOZZLE STREAM TO COVER LANDSCAPE AREA WITHOUT OVERSPRAY ONTO PAVING, FENCES, WALLS OR BUILDINGS.

Pop Up Sprinkler Head
NOT TO SCALE

IRRIGATION LEGEND

- ● Rainbird 1800 12 Series- Adjustable Lawn 6" Pop Up w/ NP Cover
- ■ Rainbird 1800 12 Series Shrub 12" / Lawn 6" Pop UP w/ NP Cover
- ▼ Rainbird 1800 12 Series - Adjustable Shurb 12" Pop Up w/ NP Cover
- Hunter MP Rotator - MP1000 - Adjustable Shurb 12" Pop Up
- Hunter PGV Remote Control Valve

———— Schedule 40 Lateral Line - See Irrigation Pipe Sizing Chart Below

— - — - — Schedule 40 Main Line - See Irrigation Pipe Sizing Chart Below

======== **Class 315 Sleeve under all pavement, unless noted**

Pipe Sizing Maximum Flow Rates (Gallons Per Minute)

Pipe Type	1/2"	3/4"	1"	1 1/4"	1 1/2'	2"
SCHEDULE 40	4	8	12	22	30	50

Station number (8) 28.1 Gallon per Minute
Valve Size (1.5")

Recalmed Water System.

IRRIGATION NOTES

1. All local municipal and state laws, rules and regulations governing or relating to any portion of this work are hereby incorporated into and made a part of these specifications and their provisions shall be carried out by the irrigation contractor.
2. The contractor shall verify the locations of all existing utilities, structures and services before commencing work. The locations of utilities, structures and services shown in these plans are approximate only. Any discrepancies between these plans and actual field conditions shall be immediately reported to the owner's authorized representative.
3. The contractor shall obtain all necessary permits required to perform the work indicated herein before beginning work.
4. This irrigation design is diagrammatic. All equipment shown in paved areas is for design clarity only and is intended to be installed completely within planted areas.
5. The contractor shall not willfully install any equipment as shown on the plans when it is obvious in the field that unknown conditions exist that were not evident at the time these plans were prepared. Any such conditions shall be brought to the immediate attention of the owner's authorized representative prior to any work or the irrigation contractor shall assume all responsibility for any field changes deemed necessary by the owner.
6. All pipe under paved areas shall be installed inside sleeving that is twice the diameter of the pipe carried. All wire under paved areas to be installed inside sleeving that is at least twice the diameter of the wire bundle and of a size required to easily pull wire through. See legend for sleeve type. .all sleeves to be installed with a minimum depth as shown on the sleeving details. All sleeves shall be installed to extend at least 18" past the edge of the paving being crossed.
7. The irrigation system is designed using a static pressure at Point of Connection (P.O.C.) of 65 PSI. If this is not the field condition,stop work and contact owners representative for further instructions.

Water service is provided by SOUTH BAY WATER RECYCLING See sheet LA3 for notes and additional details

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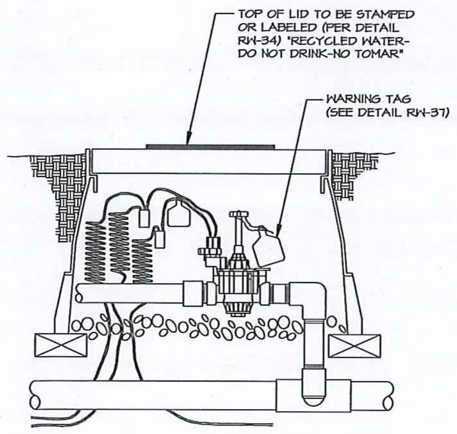
IRRIGATION PLAN

PROJECT #: 12-8301
DRAWN: rc CHECKED: rc
SCALE: AS NOTED DATE: 5-21-14

PD-14-030

10.2

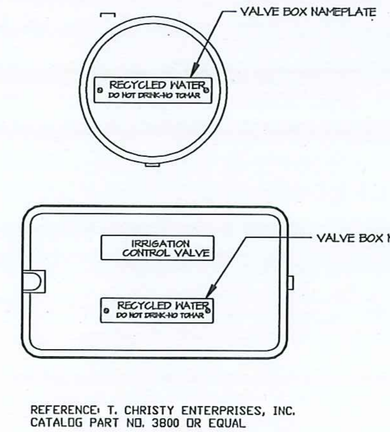
SHEET OF



RECYCLED WATER USE SITE IDENTIFICATION DETAILS

SCALE: NTS | RW-32

IDENTIFICATION OF REMOTE CONTROL VALVE WITH WARNING TAG

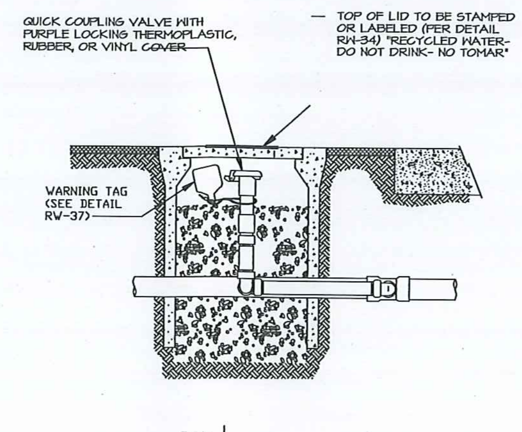


REFERENCE: T. CHRISTY ENTERPRISES, INC. CATALOG PART NO. 3800 OR EQUAL

RECYCLED WATER USE SITE IDENTIFICATION DETAILS

SCALE: NTS | RW-34

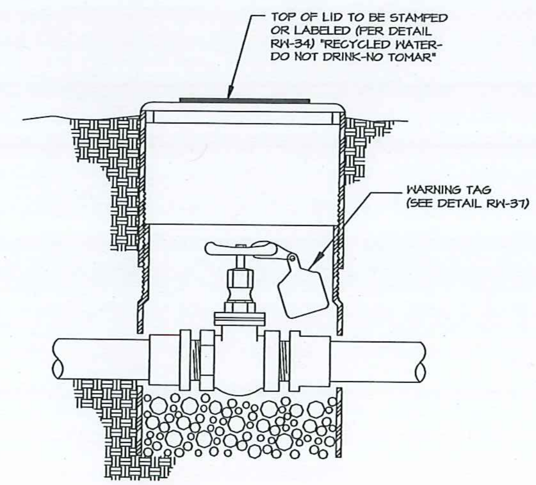
IDENTIFICATION OF IRRIGATION BOX COVERS/LIDS WITH WARNING SIGN



RECYCLED WATER USE SITE IDENTIFICATION DETAILS

SCALE: NTS | RW-22

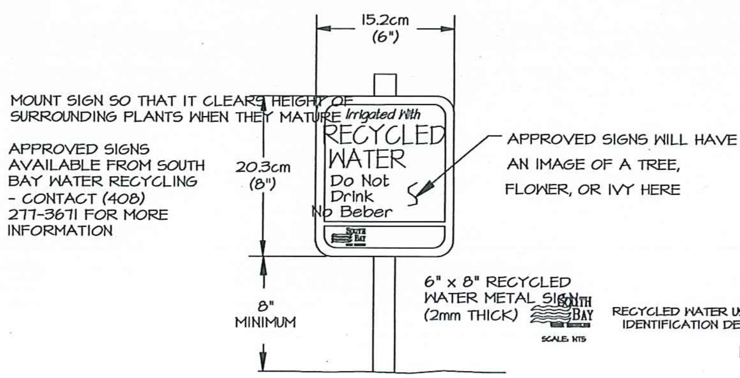
IDENTIFICATION OF QUICK COUPLING VALVE WITH WARNING TAG



RECYCLED WATER USE SITE IDENTIFICATION DETAILS

SCALE: NTS | RW-31

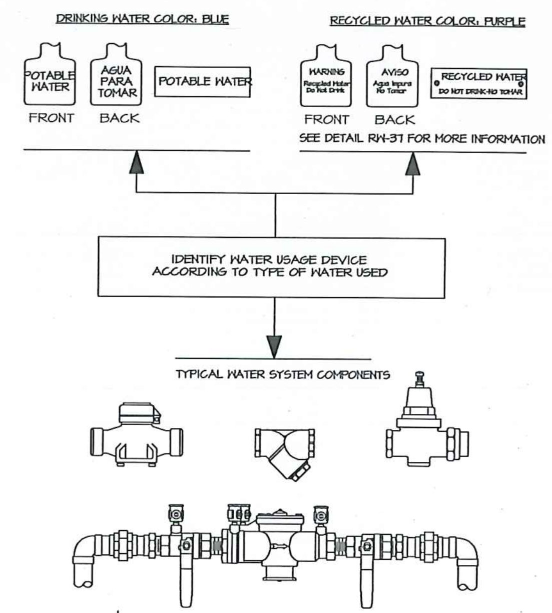
IDENTIFICATION OF ISOLATION GATE VALVE (3" OR SMALLER) WITH WARNING TAG



RECYCLED WATER USE SITE IDENTIFICATION DETAILS

SCALE: NTS | RW-36

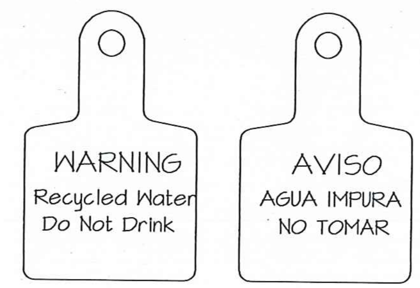
RECYCLED WATER ADVISORY SIGN



RECYCLED WATER USE SITE IDENTIFICATION DETAILS

SCALE: NTS | RW-35

IDENTIFICATION OF WATER CONTROL DEVICES WITH WARNING TAG

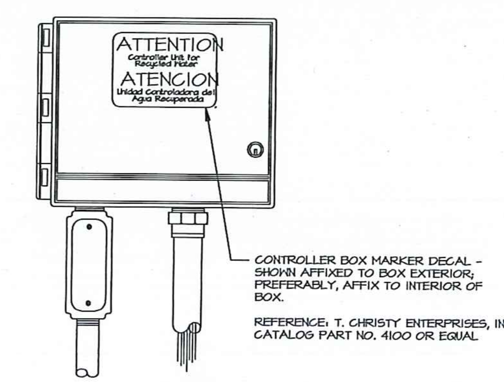


SAMPLE WARNING TAG. BACKGROUND PURPLE (PANTONE 512) WITH BLACK LETTERING.

RECYCLED WATER USE SITE IDENTIFICATION DETAILS

SCALE: NTS | RW-37

IDENTIFICATION OF RECYCLED WATER WARNING TAG



REFERENCE: T. CHRISTY ENTERPRISES, INC. CATALOG PART NO. 4100 OR EQUAL

RECYCLED WATER USE SITE IDENTIFICATION DETAILS

SCALE: NTS | RW-33

IDENTIFICATION OF IRRIGATION SYSTEM CONTROLLER WITH ADVISORY WARNING DECAL

SOUTH BAY WATER RECYCLING (SBWR) STANDARD NOTES FOR ON-SITE RECYCLED WATER IRRIGATION SYSTEMS:

1. PRIOR TO RECEIVING RECYCLED WATER, THE SITE MUST BE PERMITTED BY SOUTH BAY WATER RECYCLING (SBWR). A PERMIT WILL BE GRANTED AFTER:
   A. INSPECTION BY SBWR HAS BEEN COMPLETED SHOWING CONFORMANCE WITH SBWR RULES AND REGULATIONS;
   B. A FINAL ON-SITE INSPECTION HAS BEEN CONDUCTED TO CONFIRM THAT ALL REQUIREMENTS HAVE BEEN MET;
   C. THE CUSTOMER HAS PROVIDED THE SBWR INSPECTOR WITH THE MOST CURRENT BACKFLOW PREVENTION DEVICE TEST REPORTS FOR ALL OF THE SITE'S POTABLE WATER AND FIRE SERVICE CONNECTIONS (AND ANY AUXILIARY WATER SOURCES).
   D. SITE HAS PASSED REQUIRED CROSS-CONNECTION TEST PERFORMED BY A CERTIFIED AWWA CROSS-CONNECTION SPECIALIST;

   THE OWNER'S OR TENANT'S REPRESENTATIVE MUST ALSO COMPLETE A SITE SUPERVISOR TRAINING CLASS OFFERED BY SBWR IN ORDER TO RECEIVE A PERMANENT PERMIT. IN THE INTERIM BETWEEN CONNECTION AND TRAINING, THE TENANT OR OWNER WILL RECEIVE A TEMPORARY RECYCLED WATER PERMIT. CONTACT SBWR AT (408) 277-3671 FOR FURTHER INFORMATION.
2. ALL WORK SHALL CONFORM TO EXISTING REGULATIONS INCLUDING BUT NOT LIMITED TO:
   A. SOUTH BAY WATER RECYCLING (SBWR) RULES AND REGULATIONS
   B. CALIFORNIA DEPARTMENT OF PUBLIC HEALTH REGULATIONS
3. CHANGES MADE TO THE APPROVED IRRIGATION PLANS SHALL BE SUBMITTED TO SBWR FOR REVIEW AND APPROVAL AT LEAST 2 WEEKS PRIOR TO START OF CONSTRUCTION.
4. AT LEAST TWO DAYS PRIOR TO START OF CONSTRUCTION, CONTRACTOR AND SBWR INSPECTOR SHALL HOLD A PRE-CONSTRUCTION MEETING. TO SCHEDULE MEETING, CONTACT SBWR AT (408) 277-3671.
5. NOTIFY SBWR INSPECTOR A MINIMUM OF AT LEAST 24 HRS BEFORE WORK BEGINS. SBWR INSPECTOR MUST INSPECT AND/OR VERIFY:
   A. PRESENCE OF PROPER BACKFLOW PREVENTION AT ALL POTABLE POINTS OF CONNECTION;
   B. NEW UNDERGROUND PIPING (LABELING, CLEARANCES, BURIAL DEPTH, SLEEVING);
   C. INSTALLATION OF SIGNS, TAGS, AND CONTROLLER DECALS;
   D. REQUIRED TEMPORARY CONNECTION TO POTABLE WATER SERVICE; IN MOST CASES, THE SITE'S IRRIGATION SYSTEM MUST BE CONNECTED TO A TEMPORARY SOURCE OF POTABLE WATER IN ORDER TO CONDUCT REQUIRED CROSS-CONNECTION TEST;
   E. SITE PASSED REQUIRED CROSS-CONNECTION TEST PERFORMED BY A CERTIFIED AWWA CROSS-CONNECTION SPECIALIST;
   F. NEW METER INSTALLATION - PRIOR TO RECEIVING RECYCLED WATER, SBWR INSPECTOR MUST INSPECT THE DISCONNECTION OF THE SITE'S IRRIGATION SYSTEM FROM THE TEMPORARY POTABLE WATER SUPPLY, AND THEN INSPECT THE CONNECTION OF THE SYSTEM TO THE RECYCLED WATER METER.
6. NO CROSS-CONNECTIONS BETWEEN THE POTABLE AND RECYCLED WATER SYSTEMS ARE PERMITTED.
7. ALL ON-SITE BURIED RECYCLED WATER PIPING SHALL BE IDENTIFIED BY ONE OF THE FOLLOWING METHODS:
   A. USING PURPLE-COLORED PVC PIPE WITH CONTINUOUS WORDING: "CAUTION - RECYCLED WATER" PRINTED ON OPPOSITE SIDES OF THE PIPE; PIPE SHALL BE LAID WITH WORDING FACING UPWARDS;
   B. WARNING TAPE WITH A MINIMUM WIDTH OF 3 INCHES READING: "CAUTION - RECYCLED WATER" (IN BLACK OR WHITE LETTERING ON PURPLE BACKGROUND) SHALL RUN CONTINUOUSLY ON TOP OF PIPING AND SHALL BE ATTACHED TO PIPING WITH PLASTIC TAPE BANDED AROUND THE WARNING TAPE AND THE PIPE EVERY 5 FEET ON CENTER;
   C. BLUE-COLORED PVC PIPE SHALL NOT BE USED UNLESS THE BLUE COLOR IS COMPLETELY OBSCURED BY ENCASEMENT OF THE PIPE WITH PURPLE POLYETHYLENE WRAP OR OTHER METHODS APPROVED BY SBWR.
8. PVC PIPE: CONSTANT-PRESSURE MAINLINE PIPING 1 1/2 INCHES AND SMALLER SHALL BE SCHEDULE 40; CONSTANT-PRESSURE MAINLINE PIPING 2 INCHES AND LARGER SHALL BE CLASS 315 OR C900 CLASS 200 DR 14; INTERMITTENT-PRESSURE LATERAL PIPING SHALL BE SCHEDULE 40 OR CLASS 200. BURIED COPPER PIPE SHALL BE TYPE "K".
9. ALL ON-SITE RECYCLED WATER PIPING SHALL BE BURIED TO A MINIMUM DEPTH FROM FINISHED GRADE TO TOP OF PIPE (MINIMUM COVER) OF:

PRESSURIZED LINES 3 INCHES AND LARGER	24 INCHES
PRESSURIZED LINES 2 1/2 INCHES AND SMALLER	24 INCHES
INTERMITTENT-PRESSURE LINES	18 INCHES

10. ALL RECYCLED WATER PIPING OTHER THAN PVC PIPING WITH SOLVENT WELDED JOINTS SHALL BE PROTECTED AGAINST MOVEMENT WITH THRUST BLOCKS OR RESTRAINED JOINTS OR OTHER APPROVED METHOD PER SBWR DETAILS.
11. MAINTAIN A 10-FOOT HORIZONTAL SEPARATION BETWEEN BURIED PRESSURIZED RECYCLED WATER IRRIGATION PIPING AND BURIED POTABLE WATER PIPING UNLESS OTHERWISE NOTED. AT PIPE CROSSINGS, BURIED PRESSURIZED RECYCLED WATER IRRIGATION PIPING MUST BE 12 INCHES BELOW POTABLE WATER LINES. PRESSURIZED RECYCLED WATER PIPELINES ARE ALLOWED OVER POTABLE WATER PIPELINES WITH A MINIMUM OF 12 INCHES VERTICAL SEPARATION IF A FULL STANDARD PIPE LENGTH IS CENTERED OVER THE CROSSING, OR THE RECYCLED WATER PIPELINE IS INSTALLED IN A PIPE SLEEVE WHICH EXTENDS A MINIMUM OF 10 FEET ON EITHER SIDE OF THE POTABLE WATER PIPING. INTERMITTENTLY PRESSURIZED IRRIGATION LATERALS MAY BE LOCATED A MINIMUM OF 12 INCHES ABOVE POTABLE WATER PIPELINES WITHOUT SLEEVING.
12. ALL RECYCLED WATER SYSTEM REMOTE CONTROL VALVES, ISOLATION VALVES, QUICK COUPLING VALVES, STRAINERS, AND PRESSURE REDUCING VALVES SHALL BE INSTALLED BELOW GRADE IN VALVE BOXES. GREEN, BLACK, OR PURPLE-COLORED BOXES AND LIDS ARE ACCEPTABLE. VALVE BOXES SHALL HAVE A WARNING LABEL OR NAMEPLATE PERMANENTLY MOLDED INTO OR ATTACHED ONTO THE LID WITH RIVETS, SCREWS, OR BOLTS. WARNING LABELS SHALL BE PER SBWR STANDARD DETAILS.
13. QUICK COUPLING VALVES SHALL HAVE PURPLE COVERS AND SHALL BE PER SBWR STANDARD DETAILS.
14. NO HOSE BIBS ARE ALLOWED ON THE RECYCLED WATER IRRIGATION SYSTEM. ANY EXTERIOR HOSE BIBS SERVED WITH POTABLE WATER MUST BE LABELED PER SBWR STANDARD DETAILS.
15. ALL RECYCLED WATER METERS, DEVICES, AND VALVES - E.G. ISOLATION VALVES, IRRIGATION CONTROLLERS, REMOTE CONTROL VALVES, PRESSURE REDUCING VALVES, QUICK COUPLING VALVES, FLOW SENSORS, ETC. - SHALL BE TAGGED PER SBWR STANDARD DETAILS.
16. LABEL ALL POTABLE WATER METERS AND ABOVE GROUND POTABLE WATER PIPES/ DEVICES (BACKFLOW PREVENTERS, HOSE BIBS, ETC.) WITH TAGS OR LABELS READING: "POTABLE WATER" IN BLACK LETTERS ON BLUE BACKGROUND, PER SBWR DETAILS.
17. ALL RECYCLED WATER IRRIGATION SYSTEMS SHALL HAVE THE FOLLOWING:
   A. A WYE STRAINER (WITH A 20-MESH OR FINER SCREEN) INSTALLED AS CLOSE AS PRACTICABLE TO THE RECYCLED WATER METER BOX.
   B. A PRESSURE REDUCING VALVE INSTALLED IMMEDIATELY DOWNSTREAM OF THE STRAINER (UNLESS OTHERWISE DIRECTED BY SBWR).
   C. THESE COMPONENTS SHALL BE INSTALLED WITH ISOLATION VALVES TO FACILITATE MAINTENANCE.
18. RECYCLED WATER ADVISORY SIGNS SHALL BE PER SBWR STANDARD DETAILS AND SHALL BE POSTED PER LOCATIONS SHOWN ON IRRIGATION PLANS.
19. INSTALLATION OF DIRECT INJECTION SYSTEMS ON THE RECYCLED WATER IRRIGATION SYSTEM IS NOT PERMITTED.
20. NO DRINKING FOUNTAINS OR EATING AREAS ARE ALLOWED IN THE APPROVED RECYCLED WATER USE AREA UNLESS ADEQUATELY PROTECTED FROM OVERSPRAY.
21. ALL RECYCLED WATER METERS WILL BE SET BY THE LOCAL WATER UTILITY AFTER:
   A. THE SITE'S OWNER, DEVELOPER, OR CONTRACTOR HAS APPLIED FOR RECYCLED WATER SERVICE WITH THE LOCAL WATER UTILITY, THE WATER SERVICE AGREEMENT HAS BEEN APPROVED, AND ALL APPLICABLE FEES HAVE BEEN PAID.
   B. THE WATER UTILITY HAS RECEIVED AUTHORIZATION FROM SBWR TO SET RECYCLED WATER METERS.
22. NO OVERSPRAY OR RUNOFF OF RECYCLED WATER IS ALLOWED ON ANY NON-APPROVED USE AREA. PONDING OF RECYCLED WATER DUE TO IRRIGATION IS NOT ALLOWED IN ANY AREA. UPON RECEIVING RECYCLED WATER, THE ON-SITE RECYCLED WATER IRRIGATION SYSTEM MUST PASS A COVERAGE TEST PERFORMED BY SBWR INSPECTOR.
23. CONTRACTOR SHALL SUBMIT AS-BUILT IRRIGATION PLANS TO SBWR.

DRAFT

LICENSED LANDSCAPE ARCHITECT RONALD N. CIARDELLA No. 2767 Signature 12/31/15 Renewal Date 6-20-14 Date STATE OF CALIFORNIA

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CANYON CREEK GAS STATION, CONVENIENCE STORE & CARWASH (PD-14-030)
SILVER CREEK VALLEY ROAD
SAN JOSE, CA 95138

- ISSUED FOR CONSTRUCTION
- ISSUED FOR PLAN CHECK
- ISSUED FOR PLANNING

NO.	DATE	DESCRIPTION
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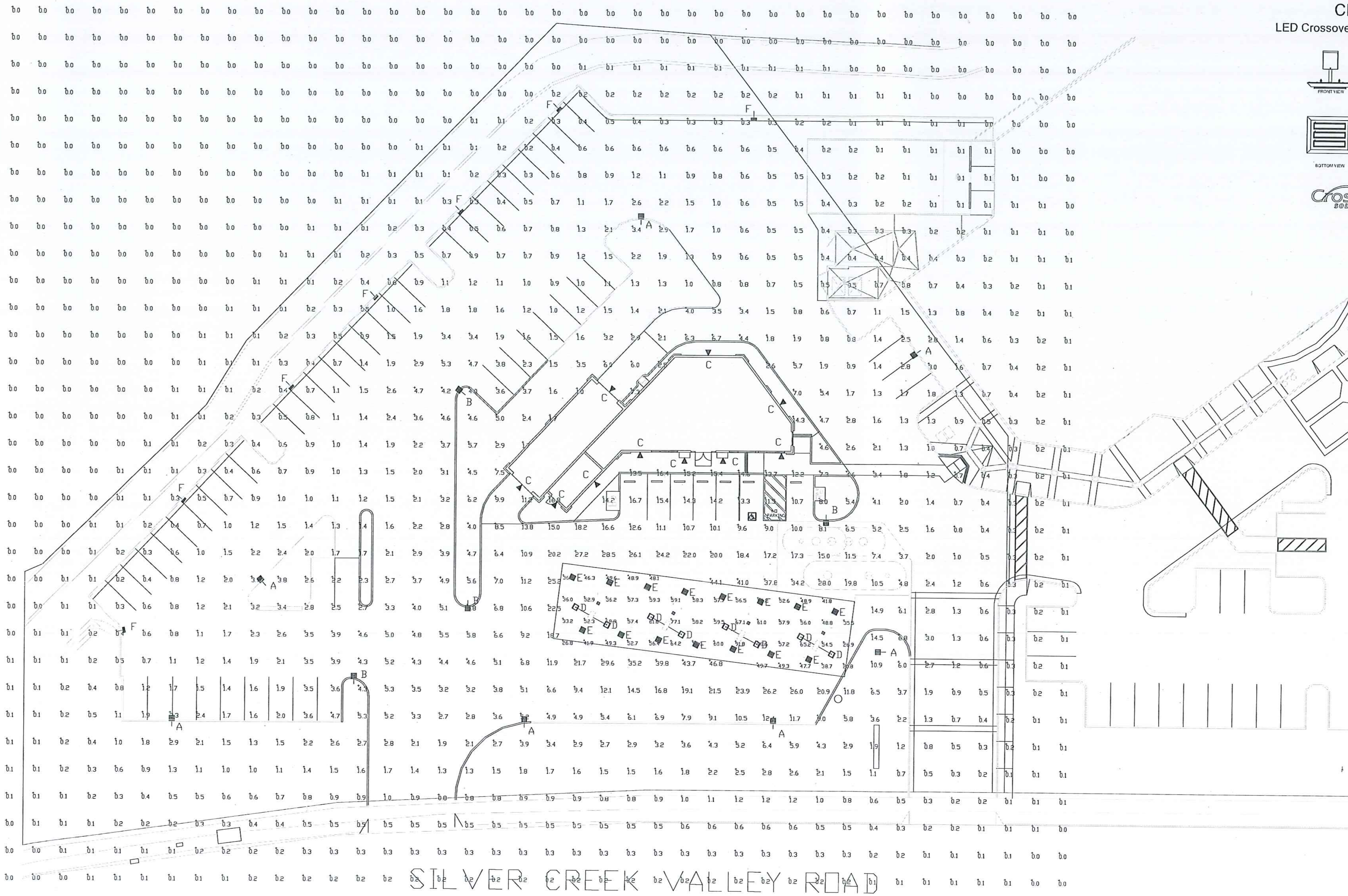
IRRIGATION AND SBWR NOTES AND DETAILS

PROJECT #: 12-8301
DRAWN: rc CHECKED: rc
SCALE: AS NOTED DATE: 6-20-14

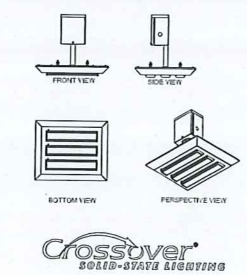
PD-14-030

10.3

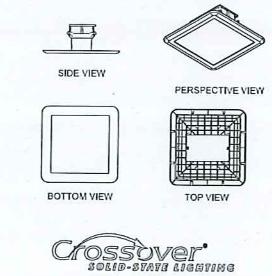
SHEET OF



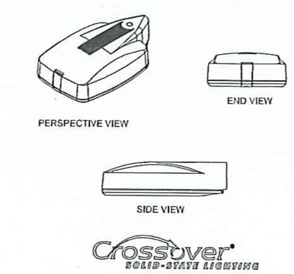
CRO3 FO
LED Crossover Focus (Single Deck)



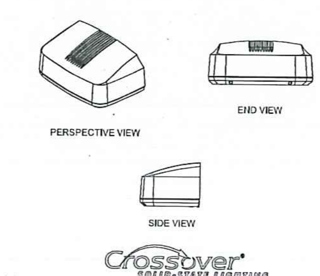
CRU-SC-LED
LED CANOPY LIGHT - LEGACY



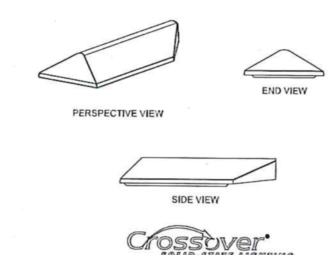
XPT3
LED Crossover Area Light



XPWS3
LED Crossover Wall Mount Light



XRMU
LED Crossover Area Light



(PD14-030)

DRAFT

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Description	LLF	Lumens/Lamp	Arr. Lum. Lumens	Arr. Watts
	7	A	SINGLE	EXISTING 90 W LPS 18'POLE+2'BASE	0.500	14300	8604	125
	4	B	SINGLE	XPT3-5-LED-128-450-CW-UE-S-18'POLE+2'BASE	1.000	N.A.	14378	187
	10	C	SINGLE	XPWS3-FT-LED-48-450-NW-UE	1.000	N.A.	5775	72
	8	D	SINGLE	CRO3-FO-LED-30-SS-CW-UE	1.000	N.A.	2674	36.1
	15	E	SINGLE	CRU-SC-LED-HO-CW-UE	1.000	N.A.	19630	150
	7	F	SINGLE	XRMU-FT-LED-128-HO-CW-HSS-S-18'POLE+2'BASE	1.000	N.A.	12527	179

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ALL CALC POINTS	Illuminance	Fc	2.13	46.8	0.0	N.A.	N.A.
CANOPY	Illuminance	Fc	52.88	91.8	20.8	2.54	4.41
PUMP_VERTICAL	Illuminance	Fc	46.75	78.6	27.5	1.70	2.86
INSIDE CURB	Illuminance	Fc	4.90	46.8	0.2	24.50	234.00

Footcandle levels taken at grade

Fixture type F was uptilted 65 degrees

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in lamps/LED's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted.

11

Total Project Watts
Total Watts = 6134.801

LSI Industries™
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LIGHTING PROPOSAL LD-120929-1

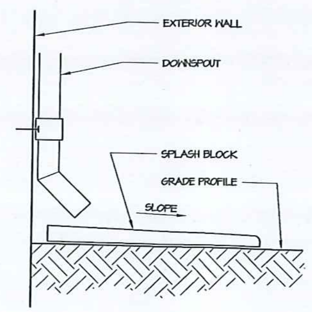
CANYON CREEK GAS STATION
SILVER CREEK VALLEY ROAD
SAN JOSE,CA

BY:MWE	DATE:3-27-14	REV:4-22-14	SHEET 1 OF 1

SCALE: 1"=20' 0 20

5 - NOT USED

4 - NOT USED



3 1 1/2"=1'-0" DOWNSPOUT TO SPLASH BLOCK

2 - NOT USED

1 - NOT USED

10 - NOT USED

9 - NOT USED

8 - NOT USED

7 - NOT USED

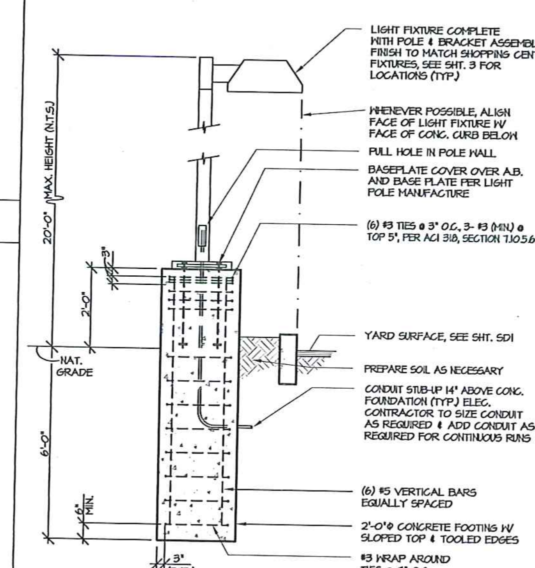
6 - NOT USED

15 - NOT USED

14 - NOT USED

13 - NOT USED

12 - NOT USED



NOTE: REFER TO SITE PLAN, SHEET 3 FOR APPROX. LOCATION.

20 - NOT USED

19 - NOT USED

18 - NOT USED

17 - NOT USED

16 3/8" = 1'-0" AREA LIGHT

DRAFT

S:\1-Projects\12-8301 San Jose - Chevron\Dwg's\Planning\12-8301-Sheet 12 - SD2.dwg modified by User1 at Aug 19, 2014 - 4:08pm

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(PD14-030)

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-	ISSUED FOR PLANNING

NO.	DATE	DESCRIPTION
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SITE DETAILS

PROJECT #: 12-8301
DRAWN: JM CHECKED: MII
SCALE: AS NOTED DATE: 04-24-13
(PD14-030)

12

SHEET OF